APPENDIX A

Method of Estimating the Flow from a Drill Hole

Appendix A: Method of Estimating the Flow from a Drill Hole

Mr. Bob Ward (mine superintendent during construction of the American Tunnel) supplied the following estimates of conditions concerning the drill hole intersection of the Washington vein:

- The drill hole was approximately 4½ feet above the floor,
- The drill hole was 2 inches in diameter (BX bit),
- The hole was drilled at an upward angle of 7 to 8 degrees from the horizontal, and
- The water hit the floor approximately 20 feet from where it left the drill hole.

From the above information an estimate can be made of the rate of flow of water from the drill hole. The flow from the drill hole dropped to the floor due to 1) an initial downward component of velocity resulting from the angle of the drill hole, and 2) the acceleration of gravity.

The loss in elevation caused by the angle of the drill hole (assumed to be 7½ degrees) is :

$$\text{Elev.} = (20 \text{ feet}) \div \cos(7\tfrac{1}{2} \text{ degrees}) = 2.63 \text{ feet}$$

Hence, the loss in elevation caused by the acceleration of gravity is:

$$4.5 \text{ feet} - 2.63 \text{ feet} = 1.87 \text{ feet},$$

where 4.5 feet is the initial height above the floor.

The time it takes for an object to drop 1.87 feet under the acceleration of gravity is calculated using the following equation:

$$\text{Distance} = \tfrac{1}{2}(\text{acceleration}) \times (\text{time})^2$$

or

$$1.87 \text{ feet} = \tfrac{1}{2}(32.2 \text{ feet/second}^2) \times t^2$$

$$t = 0.341 \text{ seconds}$$

The exit velocity is calculated as follows:

$$\text{Velocity} = [(20 \text{ feet}) \div (0.341 \text{ seconds})] \div \cos 7\tfrac{1}{2} \text{ degrees}$$

$$= 59.2 \text{ feet/sec}$$

The cross-sectional area of the drill hole is calculated as:

$$\text{Area} = \pi r^2 = \pi \times (1/12)^2 = 0.0218 \text{ feet}^2$$

The rate of flow is:

$$\text{Velocity} \times \text{Area} = 59.2 \text{ feet/sec} \times 0.0218 \text{ feet}^2 = 1.29 \text{ feet}^3\text{/second}$$

$$1.29 \text{ feet}^3\text{/sec} \times 60 \text{ sec/min} \times 7.48 \text{ gal/foot}^3 = 579 \text{ gallons/minute}$$

This value is only accurate to one significant figure and is better expressed as:

$$6 \times 10^2 \text{ gallons/minute}$$

APPENDIX B

Results of Permeability Testing of Clays Beneath Lake Emma

Lambert and Associates

CONSULTING GEOTECHNICAL ENGINEERS AND MATERIAL TESTING

August 22, 1988

Sunnyside Gold Corporation
p. O. Box 177
Silverton, CO 81433

PN: M88052MT

Attention: Mike Foutz

Subject: Permeability tests results for
Two (2) Sampled Delivered to our Laboratory

Mr. Foutz:

This letter presents the results of permeability tests performed on two (2) samples of material received in our laboratory on August 10, 1988. As your requested our laboratory tests included performing standard moisture-density relationship tests, ASTM Test Method D698, on each sample. The permeability tests were conducted in triaxial compressive strength tests chambers with a constant head. The permeability test samples were remolded to about 95 percent relative compaction at/or near optimum moisture content based on the moisture-density relationship test results. The results of the moisture-density tests and the permeability tests are attached. The test results were discussed with Mr. Larry Perino on August 19, 1988.

If you have any questions concerning the test results or if we may be of further assistance please contact us.

Respectfully submitted,

LAMBERT AND ASSOCIATES

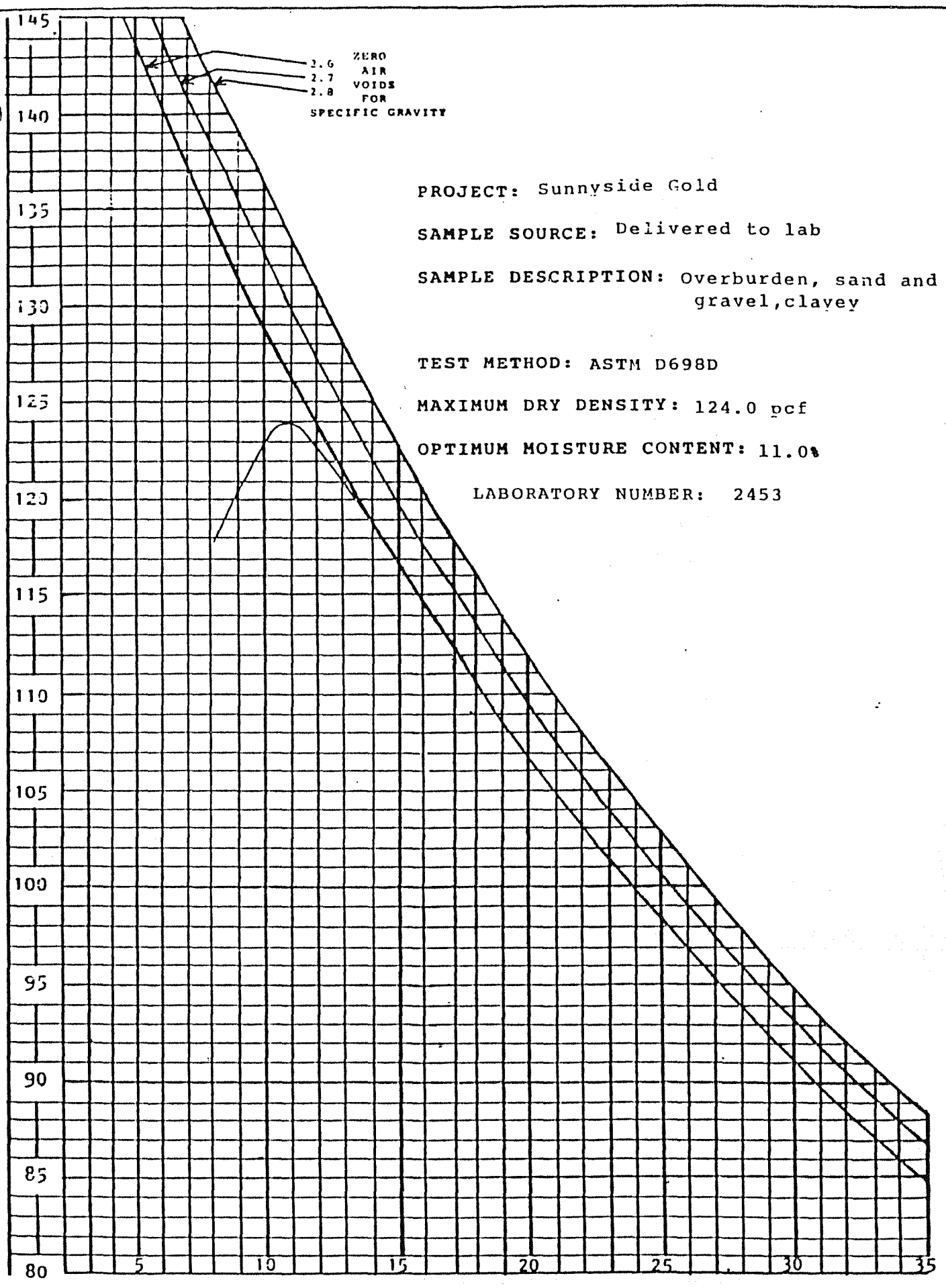
Norman W. Johnston, P.E.

attachments
NWJ/nr

P.O. BOX 3986
GRAND JUNCTION, CO 81502
(303) 245-6506

P.O. BOX 0045
MONTROSE, CO 81402
(303) 249-2154

463 TURNER, 104 A
DURANGO, CO 81301
(303) 259-5095



PROJECT: Sunnyside Gold

SAMPLE SOURCE: Delivered to lab

SAMPLE DESCRIPTION: Overburden, sand and gravel, clayey

TEST METHOD: ASTM D698D

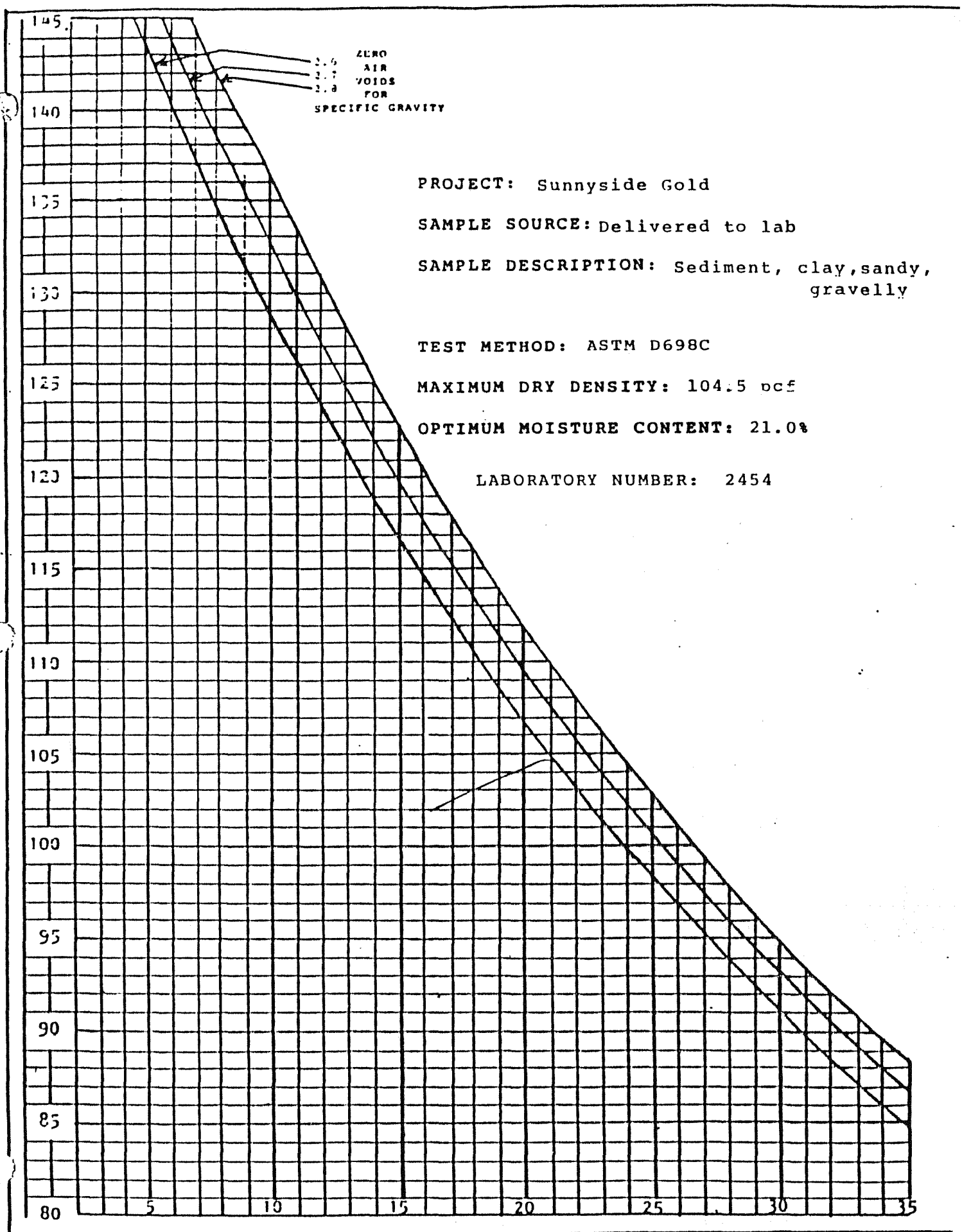
MAXIMUM DRY DENSITY: 124.0 pcf

OPTIMUM MOISTURE CONTENT: 11.0%

LABORATORY NUMBER: 2453

Lambert and Associates

Project No.: MC-052MT
Date:
Figure:



PROJECT: Sunnyside Gold

SAMPLE SOURCE: Delivered to lab

SAMPLE DESCRIPTION: Sediment, clay, sandy, gravelly

TEST METHOD: ASTM D698C

MAXIMUM DRY DENSITY: 104.5 pcf

OPTIMUM MOISTURE CONTENT: 21.0%

LABORATORY NUMBER: 2454

Lambert and Associates

Project No.: M88052MT
Date:
Figure:

PERMEABILITY TEST RESULTS

Date: 8/15/88 Sample NO. 2453

Sample Description: Overburden-Sand and gravel, clayey

Permeability: 1.6×10^{-7} cm/sec

Date: 8/15/88 Sample NO. 2454

Sample Description: Sediment-Clay, sandy and gravelly

Permeability: 6.7×10^{-9} cm/sec

Lambert and Associates

Project No.:
Date:
Figure:

Lambert and Associates

CONSULTING GEOTECHNICAL ENGINEERS AND MATERIAL TESTING

TEST RESULTS

PROJECT Sunnyside Gold PROJECT NO. M88052MT DATE 8/10/8

LOCATION Silverton, CO SOURCE Delivered to lab

SAMPLE NO. 2453 & 2454 SPECIFICATION* _____

AFTER PERMEABILITY MOISTURE CONTENT

Sample Number: 2453

Moisture Content: 24.4%

Sand and gravel, clayey

Sample Number: 2454:

Moisture Content: 25.2%

Sand and gravel, clayey

APPENDIX C

Tables of Flow and Water Chemistry from the Sunnyside Mine

American Tunnel Discharge
(Before Treatment)

TABLE 1
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary Site: ATINFL*
Date Available thru:
08-Jul-91

Mean	2.273	6.4	5.4	10.5	1287	1870	1793	183	12	26	142	0.29	0.00	0.13	ERR	5.30
MAX	2.290	9.1	8.5	14.9	1750	2120	2230	1470	12	26	142	0.29	0.00	0.13	ERR	5.30
MIN	2.240	5.7	4.1	5.0	1000	1650	132	31	12	26	142	0.29	0.00	0.13	ERR	5.30

Station	Sampldate	lab	Qmgd	FieldpH	labpH	C FieldT	uS FieldCond	uS labcond	mg/l TDS(180)	mg/l TSS	mg/l Hard	mg/l Eff	mg/l TAlkCaCO	mg/l AcCaCo3	mg/l NO3&NO2	mg/l NO2	mg/l NH3-N	mg/l Cyanide	mg/l Fl
ATINFL	16-Mar-87	SGC																	
ATINFL	31-Mar-87	SGC			6.43				1664	43.2									
ATINFL	02-Apr-87	SGC							1593										
ATINFL	16-Apr-87	SGC		6.3	6.46	10.9		1863	1658	49									
ATINFL	24-Apr-87	SGC		6.38	6.67	11.3		1700	1719	41.5									
ATINFL	28-Apr-87	SGC		6.07	6.68	11.6		1931	1718	90.5									
ATINFL	08-May-87	R&N		6.29	5.87	12.5		1897	1785	140.5									
ATINFL	15-May-87	R&N		6.23	5.92	13	1500		1970	120.5									
ATINFL	22-May-87	R&N		6.33	5.93	12.7	1220	1908	1780	69.2									
ATINFL	29-May-87	R&N		6.07	6.19	12	1400	1864	955	35.46									
ATINFL	10-Jun-87	IML		6.09	4.80	12.7	1400		1880	102									
ATINFL	16-Jun-87	IML		5.83	5.52	13.3	1390		1920	128									
ATINFL	23-Jun-87	IML		6	4.90	12.6	1450		1930	87									
ATINFL	30-Jun-87	IML		5.97	5.50	13.2	1450		1930	194									
ATINFL	07-Jul-87	IML		5.68	5.30	13.3	1550		1950	180									
ATINFL	24-Jul-87	IML		6.21	4.60	14.5	1400		2230	106									
ATINFL	15-Jul-87	IML		6.21	4.80	14	1300		1880	177									
ATINFL	30-Jul-87	IML		6.15	4.60	14	1000		1890	162									
ATINFL	06-Aug-87	IML		6.38	5.60	14.9	1380		1930	112									
ATINFL	11-Aug-87	IML		6.32	4.80	13.8	1400		1860	72									
ATINFL	18-Aug-87	IML		6.38	5.40	12.5			1910	82									
ATINFL	27-Aug-87	IML		6.19	4.90	11.8	1350		1890	180									
ATINFL	02-Sep-87	IML		6.2	4.30	10	1250	1860	1860	102									
ATINFL	12-Sep-87	IML		6.32	4.10	12	1250	1960	1830	148									
ATINFL	17-Sep-87	IML		6.3	4.60	11	1300	1950	1870	102									
ATINFL	01-Oct-87	IML		6.42	4.80	13.5		1880	1860	142									
ATINFL	07-Oct-87	IML		6.33	4.70	12		1930	1870	108									

Station	Saapldate	lab	Qagd	FieldpH	labpH	C FieldT	uS FieldCond	uS labcond	mg/l TDS(180)	mg/l TSS	mg/l Hard	mg/l Eff TAlk	mg/l CaCO3	mg/l AcCaCo3	mg/l NO3&NO2	mg/l NO2	mg/l NH3-N	mg/l Cyanide	mg/l Fl
ATINFL	16-Oct-87	IML		6.13	4.80	9		2120	1880	94									
ATINFL	23-Oct-87	IML		6.23	5.10	9		1950	1910	140									
ATINFL	30-Oct-87	IML		6.17	4.20	9.5		1880	1850	111									
ATINFL	13-Oct-87	IML		6.06		9.5													
ATINFL	21-Oct-87	IML		6.2		8.5													
ATINFL	27-Oct-87	IML		6.18		8.5													
ATINFL	06-Nov-87	IML		6.17	5.10	9.5		1890	1870	92									
ATINFL	13-Nov-87	IML		6.16	4.70	8.5		1750	1880	114									
ATINFL	22-Nov-87	IML		6.22	5.40	5		1720	1830	102									
ATINFL	27-Nov-87	IML		6.41	5.30	8		1650	1880	58									
ATINFL	04-Dec-87	IML		6.38		10													
ATINFL	03-Nov-87	IML		6.2		11													
ATINFL	11-Nov-87	IML		6.31		9.5													
ATINFL	17-Nov-87	IML		6.37		8.5													
ATINFL	04-Dec-87	IML		6.38	4.20	10		1840	1920	88									
ATINFL	11-Dec-87	IML		6.3	5.60	8.5	1200	1840	1920	66									
ATINFL	18-Dec-87	IML		6.21	5.40	8		1890	1880	124									
ATINFL	22-Dec-87	IML		6.38	4.50	9	1100	1840	1850	112									
ATINFL	31-Dec-87	IML		6.34	4.60	7		1840	1870	98									
ATINFL	02-Dec-87	IML		6.3		9													
ATINFL	09-Dec-87	IML		6.66		9													
ATINFL	16-Dec-87	IML		6.29		8													
ATINFL	13-Jan-88	IML		6.54	4.90	10			1910	104									
ATINFL	22-Jan-88	IML		6.33	5.60				1890	100									
ATINFL	29-Jan-88	IML		6.32	5.00				1850	160									
ATINFL	02-Feb-88	IML		6.22	5.90				1850	77									
ATINFL	05-Jan-88	IML		6.47		10													
ATINFL	26-Jan-88	IML		6.55															
ATINFL	11-Feb-88	IML		6.25	4.50	9.5			1910	192									
ATINFL	29-Feb-88	IML		6.55	5.9	10.5			1850	299									
ATINFL	10-Mar-88	IML		6.23	5.3	9	1100		1900	117									
ATINFL	22-Mar-88	IML		6.19	5.1	9.5			1890	176									
ATINFL	30-Mar-88	IML		6.3	4.9	8.5	1000		1910	277									
ATINFL	31-Mar-88	IML		6.59	5.2	9.5	1050		1890	416									
ATINFL	08-Apr-88	IML		6.45	6.2	11	1410		1900	880									
ATINFL	15-Apr-88	IML		6.22	4.9	5	1190		1870	248									

Station	Sampldate	lab	Qmgd	FieldpH	labpH	C FieldT	uS FieldCond	uS labcond	mg/l TDS(180)	mg/l TSS	mg/l Hard	mg/l Eff TAlk	mg/l CaCO3	mg/l AcCaCo3	mg/l NO3&NO2	mg/l NO2	mg/l NH3-N	mg/l Cyanide	mg/l Fl
ATINFL	21-Apr-88	IML		6.24	5.7	9	1300		1880	170									
ATINFL	06-May-88	IML		6.28	5.70	8	1100		1900	316									
ATINFL	11-May-88	IML		6.52	5.3	11			1880	244									
ATINFL	16-May-88	IML		6.42	5.50	11			1920	358									
ATINFL	27-May-88	IML		6.4	4.90	10.5			1890	180									
ATINFL	13-May-88	IML		6.27		12													
ATINFL	24-May-88	IML		6.2		10													
ATINFL	31-May-88	IML		6.24		8.5													
ATINFL	03-Jun-88	IML		6.24	5.70	10.5			1910	128									
ATINFL	13-Jun-88	IML		6.22	5.70	10.5			1910	231									
ATINFL	20-Jun-88	IML		6.3		11													
ATINFL	21-Jun-88	IML		6.21		14													
ATINFL	24-Jun-88	IML		6.01	5.00	13			2010	902									
ATINFL	29-Jun-88	IML		6.15	5.20	12.5			1970	142									
ATINFL	15-Jul-88	IML		6.17	5.10	12			1990	372									
ATINFL	21-Jul-88	IML		6.53	5.50	12.5			1930	134									
ATINFL	29-Jul-88	IML		6.13	5.8	12			1970	101									
ATINFL	04-Aug-88	IML		6.21	5.30	11			1900	117									
ATINFL	10-Aug-88	NA		6.17															
ATINFL	12-Aug-88	IML		6.4	5.50	13			1920	1470									
ATINFL	16-Aug-88	IML		6.29	6.00	11			1940	103									
ATINFL	18-Aug-88	NA		6.31		11													
ATINFL	27-Aug-88	IML		6.3	5.10	12			850	82									
ATINFL	31-Aug-88	NA		6.33		11													
ATINFL	01-Sep-88	IML		6.61	5.40	11			132	186									
ATINFL	07-Sep-88	IML		6.45	4.60	8.5			1920	512									
ATINFL	09-Sep-88	NA		6.2															
ATINFL	14-Sep-88	IML		6.42	5.70	7			208	124									
ATINFL	23-Sep-88	NA		6.55		10													
ATINFL	23-Sep-88	IML		6.4	5.50	9			1890	75									
ATINFL	26-Sep-88	IML		6.4	6.00	9			1890	90									
ATINFL	29-Sep-88	NA		6.49		11													
ATINFL	06-Oct-88	NA		6.2		8													
ATINFL	04-Oct-88	IML		6.48	5.20	10			1840	200									
ATINFL	12-Oct-88	IML		6.52	4.80	10			1830	118									
ATINFL	14-Oct-88	NA		6.3		11.5													

Station	Sampldate	lab	Qmgd	FieldpH	labpH	FieldT	FieldCond	labcond	TDS(180)	TSS	Hard	Eff	TAlk	CaCDAc	CaCo3	NO3&NO2	NO2	NH3-N	Cyanide	Fl
						C	uS	uS	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
ATINFL	18-Oct-88	IML		6.01	5	13.5			1860	188										
ATINFL	20-Oct-88	NA		6.04		10														
ATINFL	28-Oct-88	IML		6.17	5.10	9			1840	98										
ATINFL	02-Nov-88	NA		6.24		10														
ATINFL	04-Nov-88	IML		6.58	5.70				1780	148										
ATINFL	08-Nov-88	IML		6.33	5.7	9			1840	99										
ATINFL	11-Nov-88	NA		6.03		9														
ATINFL	16-Nov-88	NA		6.14		7.5														
ATINFLA	18-Nov-88	IML		6.18	5.00	9			1880	138										
ATINFLB	18-Nov-88	RN	2.28	9.12																
ATINFLB	18-Nov-88	RN	2.28	9.12																
ATINFL	22-Nov-88	IML		6.61	5.40	9			1880	98										
ATINFL	23-Nov-88	NA		6.64		10														
ATINFL	30-Nov-88	IML		6.71	5.9	10			1910	1420										
ATINFL	05-Dec-88	NA		6.6		9.5														
ATINFLA	06-Dec-88	IML		6.54	5.30	9.5			1820	145										
ATINFLB	06-Dec-88	CDS		6.54	5.73					71										
ATINFLC	06-Dec-88	RN		6.54	6.48					110										
ATINFLD	06-Dec-88	RN		6.54																
ATINFLA	13-Dec-88	IML		6.3	5.80	10			1840	134										
ATINFLB	13-Dec-88	RN		6.3	6.34					84.2										
ATINFLC	13-Dec-88	CDS		6.3	5.54					1290										
ATINFLA	19-Dec-88	IML		6.57	5.9	9			1840	92										
ATINFLB	19-Dec-88	RN		6.57	6.22					35.6										
ATINFLC	19-Dec-88	CDS		6.57	5.54					93										
ATINFL	21-Feb-89	IML		6.58	5.28	10			1858	268										
ATINFL	12-Apr-89	IML		6	5.7	8	1300		1636	139										
ATINFL	11-May-89	IML		6.66	5.8	12			1784	31										
ATINFL	12-Jun-89	IML		6.33	4.77	13	1300		134	42										
ATINFL	18-Jul-89	IML		6.51	5.93	12	1500		1892	132										
ATINFL	28-Aug-89	IML		6.33	5.42	14	1750		1844	86										

Station	Sampldate	lab	Qmgd	FieldpH	labpH	FieldT	C FieldCond	uS labcond	uS TDS(180)	mg/l TSS	mg/l Hard	mg/l Eff	mg/l TAlk	mg/l CaCO3	mg/l AcCaCo3	mg/l NO3&NO2	mg/l NO2	mg/l NH3-N	mg/l Cyanide	mg/l Fl
ATINFL	25-Sep-89	IML			5.53	11	1090		1858	84										
ATINFL	27-Oct-89	IML		6.64	6.14	12			1848	70										
ATINFL	30-Nov-89	IML		6.69	6.04	10	1400		1798	108										
ATINFL	29-Dec-89	IML		6.79	5.8	10			1850	82										
ATINFL	09-Jan-90	IML		6.72	5.42	10.0	1050		1878	90										
ATINFL	27-Feb-90	IML		6.53	5.36	11.0	1100		1866	72										
ATINFL	26-Mar-90	IML		6.2	5.8	11.0	1100		1874	108										
ATINFL	22-May-90	IML		6.34	5.82	12.0			1838	88										
ATINFL	25-Jun-90	IML		6.15	4.8	13.0			2002	108										
ATINFLA	10-Jul-90	IML		6.26																
ATINFLB	10-Jul-90	ACZ		6.26																
ATINFL	31-Jul-90	IML		6.59	5.35	12.0			1958	131										
ATINFL	27-Aug-90	IML		6.53	5.67	13.0			1960	96										
ATINFL	10-Sep-90	IML		6.49	8.52	12.0			1914	126										
ATINFL	25-Sep-90	RN		6.44		12														
ATINFL	23-Oct-90	IML		5.85	5.48				1890	78										
ATINFL	06-Nov-90	IML		6.61	5.98	7			860	446										
ATINFL	28-Nov-90	IML		6.23	5.19	8			1920	142										
ATINFL	15-Mar-91	IML		6.6	6.3	8.5			1910	80										
ATINFL	01-Apr-91		2.290																	
ATINFL	01-Apr-91		2.240																	
ATINFL	31-May-91	IML		6.3	5.6	10		1930	1234	113	12.4	25.9	142	0.29	<.04	0.13				5.3
ATINFL	10-Jun-91	IML		6.4		10														

TABLE 2
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary METALS
Date Available thru: Site: ATINFL*
08-Jul-91

Mean	0.00	0.70	0.00	0.00	0.042	0.044	0.33	0.17	ERR	0.00	38.66	16.54	1.15	0.01	0.000	0.000	24.98	22.91	0.00	5.98	15.05	15.26
MAX	0.00	0.70	0.00	0.00	0.355	0.063	4.48	0.81	ERR	0.00	78.40	19.70	13.60	0.03	0.001	0.000	30.00	24.90	0.00	5.98	45.40	21.50
MIN	0.00	0.70	0.00	0.00	0.000	0.001	0.04	0.01	ERR	0.00	18.81	13.37	0.00	0.00	0.000	0.000	19.37	20.91	0.00	5.98	0.65	8.35

	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
StationSampldate	dAg	dAl	dTAs	dAu	TCadmium	dCd	TCopper	dCu	TCr	dCr	TFe3	dFe3	TLead	dPb	TMercury	dHg	TMn	dMn	dSe	dSr	TZinc	dZn
ATINFL 16-Mar-87															0.0004							
ATINFL 31-Mar-87					0.031		0.04				26.5		0.17		0.0009						9.88	
ATINFL 02-Apr-87															0.0003							
ATINFL 16-Apr-87					0.044		0.08				18.81		0.26		0.0003						9.46	
ATINFL 24-Apr-87					0.038		0.07				38.6		1.72		0.0005						10.18	
ATINFL 28-Apr-87					0.042		0.07				46.7		0.35		0.0002						8.89	
ATINFL 08-May-87					0.03		0.09						1.7		0.0003						10.05	
ATINFL 15-May-87					0.06		0.11						0.83		0.0004						19.37	
ATINFL 22-May-87					0.036		0.08						0.68		0.0002						12.59	
ATINFL 29-May-87					0.032		0.08						0.6		0.0003						12.9	
ATINFL 10-Jun-87					0.004		0.17						0.006		<.001						12.5	
ATINFL 16-Jun-87					0.061		0.51						<.02		<.001						18.6	
ATINFL 23-Jun-87					0.003		0.34						0.04		<.001						19.4	
ATINFL 30-Jun-87					0.066		0.7						1.52		<.001						20.1	
ATINFL 07-Jul-87					0.08		0.75						1.34		<.001						22.95	
ATINFL 24-Jul-87					0.049		0.25						0.49		<.001						13.76	
ATINFL 15-Jul-87					0.076		0.59						1.73		<.001						18	
ATINFL 30-Jul-87					0.046		0.21						0.13		<.001						15.2	
ATINFL 06-Aug-87					0.04		0.35						1.22		<.001						15.3	
ATINFL 11-Aug-87					0.04		0.17						0.37		<.001						13.2	
ATINFL 18-Aug-87					0.032		0.16						0.2		<.001						13.3	
ATINFL 27-Aug-87					0.047		0.25						1.3		<.001						14.58	
ATINFL 02-Sep-87					0.042		0.12						0.59		<.001						14	
ATINFL 12-Sep-87					0.045		0.14						1.21		<.001						14.3	
ATINFL 17-Sep-87					0.048		0.12						0.7		<.001						14.8	
ATINFL 01-Oct-87					0.044		0.19						1.76		<.001						14.6	
ATINFL 07-Oct-87					0.042		0.2						0.59		<.001						15.4	

StationSampldate	mg/l dAg	mg/l dAl	mg/l dTAs	mg/l dAu	mg/l TCadmium	mg/l dCd	mg/l TCopper	mg/l dCu	mg/l TCr	mg/l dCr	mg/l TFe3	mg/l dFe3	mg/l TLead	mg/l dPb	mg/l TMercury	mg/l dHg	mg/l TMn	mg/l dMn	mg/l dSe	mg/l dSr	mg/l TZinc	mg/l dZn
ATINFL 16-Oct-87					0.038		0.2						0.5		<.001						12.15	
ATINFL 23-Oct-87					0.042		0.22						0.85		<.001						14.06	
ATINFL 30-Oct-87					0.038		0.12						0.89		<.001						13.6	
ATINFL 13-Oct-87																						
ATINFL 21-Oct-87																						
ATINFL 27-Oct-87																						
ATINFL 06-Nov-87					0.039		0.08						0.47		<.001						13.4	
ATINFL 13-Nov-87					0.04		0.15						0.48		<.001						13.58	
ATINFL 22-Nov-87					0.04		0.09						0.31		<.001						13.14	
ATINFL 27-Nov-87					0.05		0.09						0.28		<.001						13.38	
ATINFL 04-Dec-87																						
ATINFL 03-Nov-87																						
ATINFL 11-Nov-87																						
ATINFL 17-Nov-87																						
ATINFL 04-Dec-87					0.009		0.12						<.02		<.001						13.2	
ATINFL 11-Dec-87					0.002		0.1						<.02		<.001						13	
ATINFL 18-Dec-87					0.083		0.09						<.02		<.001						12.8	
ATINFL 22-Dec-87					0.026		0.08						<.02		<.001						13.5	
ATINFL 31-Dec-87					0.011		0.05						0.06		<.001						13.8	
ATINFL 02-Dec-87																						
ATINFL 09-Dec-87																						
ATINFL 16-Dec-87																						
ATINFL 13-Jan-88					0.02		0.07						0.24		<.001						12.4	
ATINFL 22-Jan-88					0.008		0.06						0.16		<.001						12.9	
ATINFL 29-Jan-88					0.009		0.13						0.14		<.001						12.7	
ATINFL 02-Feb-88					0.009		0.06						<.02		<.001						12.2	
ATINFL 05-Jan-88																						
ATINFL 26-Jan-88																						
ATINFL 11-Feb-88					0.047		0.19						0.07		.001						14.7	
ATINFL 29-Feb-88					0.017		0.12						0.6		<.001						12.9	
ATINFL 10-Mar-88					0.015		0.16						0.04		<.001						13	
ATINFL 22-Mar-88					0.017		0.190						0.25		<.001						13.5	
ATINFL 30-Mar-88					0.015		0.13						0.32		<.001						13	
ATINFL 31-Mar-88					0.004		0.28						0.57		<.001						15.7	
ATINFL 08-Apr-88					0.065		0.55						1.21		<.001						20.3	
ATINFL 15-Apr-88					0.015		0.17						0.11		<.001						13.6	

StationSampldate	mg/l dAg	mg/l dAl	mg/l dTAs	mg/l dAu	mg/l TCadmium	mg/l dCd	mg/l TCopper	mg/l dCu	mg/l TCr	mg/l dCr	mg/l TFe3	mg/l dFe3	mg/l TLead	mg/l dPb	mg/l TMercury	mg/l dHg	mg/l TMn	mg/l dMn	mg/l dSe	mg/l dSr	mg/l TZinc	mg/l dZn
ATINFL 21-Apr-88					0.015		0.07						0.08		<.001						13.5	
ATINFL 06-May-88					0.033		0.2						0.44		<.001						14.3	
ATINFL 11-May-88					0.027		0.23						0.47		<.001						13.4	
ATINFL 16-May-88					0.134		2.32						9.06		<.001						26.7	
ATINFL 27-May-88					0.026		0.32						2.79		<.001						15.1	
ATINFL 13-May-88																						
ATINFL 24-May-88																						
ATINFL 31-May-88																						
ATINFL 03-Jun-88					0.052		0.41						2.58		<.001						16.9	
ATINFL 13-Jun-88					0.059		0.63						3.02		<.001						20.9	
ATINFL 20-Jun-88																						
ATINFL 21-Jun-88																						
ATINFL 24-Jun-88					0.061		2.03						8.11		<.001						34.2	
ATINFL 29-Jun-88					0.035		0.66						1.06		<.001						22.5	
ATINFL 15-Jul-88					0.040		0.8						3.52		<.001						43.3	
ATINFL 21-Jul-88					0.050		0.54						2.11		<.001						19.9	
ATINFL 29-Jul-88					0.046		0.2						0.3		<.001						11.8	
ATINFL 04-Aug-88					0.023		0.21						0.23		<.001						14.5	
ATINFL 10-Aug-88																						
ATINFL 12-Aug-88					0.027		0.34						1.56		<.001						8.24	
ATINFL 16-Aug-88					0.029		0.22						0.33		<.001						13.2	
ATINFL 18-Aug-88																						
ATINFL 27-Aug-88					0.032		0.12						0.07		<.001						12.3	
ATINFL 31-Aug-88																						
ATINFL 01-Sep-88					0.044		0.15						0.19		<.001						11.9	
ATINFL 07-Sep-88					0.276		1.38						0.62		<.001						39.2	
ATINFL 09-Sep-88																						
ATINFL 14-Sep-88					0.029		0.22						0.7		<.001						13.4	
ATINFL 23-Sep-88																						
ATINFL 23-Sep-88					0.039		0.17						0.25		<.001						11.8	
ATINFL 26-Sep-88					0.014		0.15						0.25		<.001						11.1	
ATINFL 29-Sep-88																						
ATINFL 06-Oct-88																						
ATINFL 04-Oct-88					0.040		0.18						1.03		<.001						14.4	
ATINFL 12-Oct-88					0.047		0.12						0.58		<.001						10.5	
ATINFL 14-Oct-88																						

StationSampldate	ug/l dAg	ug/l dAl	ug/l dTAs	ug/l dAu	ug/l TCadmium	ug/l dCd	ug/l TCopper	ug/l dCu	ug/l TCr	ug/l dCr	ug/l TFe3	ug/l dFe3	ug/l TLead	ug/l dPb	ug/l TMercury	ug/l dHg	ug/l TMn	ug/l dMn	ug/l dSe	ug/l dSr	ug/l TZinc	ug/l dZn
ATINFL 18-Oct-88					0.030		0.27						1.1		<.001						22.8	
ATINFL 20-Oct-88																						
ATINFL 28-Oct-88					0.055		0.3						0.49		<.001						16	
ATINFL 02-Nov-88																						
ATINFL 04-Nov-88					0.028		0.14						0.97		<0.001						8.68	
ATINFL 08-Nov-88					0.044		0.19						0.99		<.001						8.9	
ATINFL 11-Nov-88																						
ATINFL 16-Nov-88																						
ATINFLA18-Nov-88					0.042		0.29						1.92		<0.001						11.4	
ATINFLB18-Nov-88					0.046		0.21						3.07		<0.001						14.27	
ATINFLB18-Nov-88					0.044		0.26						2.5		<0.001						13.47	
ATINFL 22-Nov-88					0.035		0.15						1.03		<0.001						10.4	
ATINFL 23-Nov-88																						
ATINFL 30-Nov-88					0.090		4.48						13.6		<.001						45.4	
ATINFL 05-Dec-88																						
ATINFLA06-Dec-88					0.041		0.14						0.84		<.001						12.5	
ATINFLB06-Dec-88																					12.7	
ATINFLC06-Dec-88					0.033		0.09						1.93								10.31	
ATINFLD06-Dec-88																					11.45	
ATINFLA13-Dec-88					0.035		0.31						0.63		<.001						12.9	
ATINFLB13-Dec-88					0.042		0.11						1.05								11.18	
ATINFLC13-Dec-88																					12.2	
ATINFLA19-Dec-88					0.024		0.12						0.17		<.001						8.21	
ATINFLB19-Dec-88					0.032		0.08						0.54								0.65	
ATINFLC19-Dec-88																					10.8	
ATINFL 21-Feb-89					0.015		0.340						1.606		<.001						14.11	
ATINFL 12-Apr-89					0.04		0.620						1.540		<.001						14.89	
ATINFL 11-May-89					<.002		0.12						0.71		<.01						10.7	
ATINFL 12-Jun-89					0.110		0.960						1.24		<.001						18.84	
ATINFL 18-Jul-89					0.043		0.390						1.42		<.001						15.62	
ATINFL 28-Aug-89					0.019		0.14						0.04		<.001						12.88	

Station	Sampldate	ug/l dAg	ug/l dAl	ug/l dTAs	ug/l dAu	ug/l TCadmium	ug/l dCd	ug/l TCopper	ug/l dCu	ug/l TCr	ug/l dCr	ug/l TFe3	ug/l dFe3	ug/l TLead	ug/l dPb	ug/l TMercury	ug/l dHg	ug/l TMn	ug/l dMn	ug/l dSe	ug/l dSr	ug/l TZinc	ug/l dZn
ATINFL	25-Sep-89					0.008		0.210						0.275		<.001						4.48	
ATINFL	27-Oct-89					0.02		0.13						0.02								11.12	
ATINFL	30-Nov-89					0.031		0.19						0.86		<.0002						12.33	
ATINFL	29-Dec-89					0.026		0.17						0.711		<.0002						11.63	
ATINFL	09-Jan-90					0.0390		0.190						1.012		<.0002						10.98	
ATINFL	27-Feb-90					0.0213		0.090	0.03					0.069	<.004	<.002						10.02	8.35
ATINFL	26-Mar-90					0.0276		0.260						4.270		<.0002						13.1	
ATINFL	22-May-90					0.0932		0.130						1.920								42	
ATINFL	25-Jun-90					0.0550	0.0616	0.810	0.81					1.105	0.028	<.0002	<.0002					24.2	20.5
ATINFLA	10-Jul-90				<.05	0.3550	0.0630	0.89	0.12					1.550	0.006	<.0002	<.0002					22.9	21.5
ATINFLB	10-Jul-90				0.002	0.0600		0.110						<.02								19	
ATINFL	31-Jul-90					0.0409		0.520						3.140		<.0002						14.3	
ATINFL	27-Aug-90					0.0230		0.340						0.513		<.002						13.8	
ATINFL	10-Sep-90					0.0130	0.0010	0.320	0.03					0.975	<.005	<.002	<.001					11.7	11.6
ATINFL	25-Sep-90											26.04						21.95					
ATINFL	23-Oct-90					0.0500		0.31						0.42		<.0002						16	
ATINFL	06-Nov-90					0.0718		0.69				78.4		4.41		<.001		30				22.2	
ATINFL	28-Nov-90					0.0267	0.0373	0.42	0.01			40.4	19.7	1.54	0.022	<.0002	<.0002	28.6	24.9			17.1	16.8
ATINFL	15-Mar-91					0.016		0.197						0.99		<.0002						12.50	
ATINFL	01-Apr-91																						
ATINFL	01-Apr-91																						
ATINFL	31-May-91	<.01	0.7	<.002	<.05	0.015	0.056	0.488	0.01		<.02	33.8	13.37	1.11	<.005	<.001	<.0002	19.37	20.91	<.002	5.98	12.89	12.78
ATINFL	10-Jun-91																						

TABLE 3
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary CAT/AN BAL
Date Available thru: Site: ATINFL*
08-Jul-91

Mean	0	0	1	1310	448	30	1	7
MAX	0	0	1	1310	448	30	1	7
MIN	0	0	1	1310	448	30	1	7

	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	%
Station	Sampldate	bicarHCO	CO3	Chloride	Sulfate	Ca	Mg	K	Na	cat/andiff
ATINFL	25-Sep-89									
ATINFL	27-Oct-89									
ATINFL	30-Nov-89									
ATINFL	29-Dec-89									
ATINFL	09-Jan-90									
ATINFL	27-Feb-90									
ATINFL	26-Mar-90									
ATINFL	22-May-90									
ATINFL	25-Jun-90									
ATINFLA	10-Jul-90									
ATINFLB	10-Jul-90									
ATINFL	31-Jul-90									
ATINFL	27-Aug-90									
ATINFL	10-Sep-90									
ATINFL	25-Sep-90									
ATINFL	23-Oct-90									
ATINFL	06-Nov-90									
ATINFL	28-Nov-90									
ATINFL	15-Mar-91									
ATINFL	01-Apr-91									
ATINFL	01-Apr-91									
ATINFL	31-May-91	0	0	1.17	1310	448	29.8	0.75	6.9	0.11
ATINFL	10-Jun-91									

Terry Tunnel Discharge
(Before Treatment)

TABLE 1
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary Site: TTINFL*
Date Available thru:
08-Jul-91

Mean	5.9	5.7	7.0	435	687	751	704	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR
MAX	6.8	6.8	11.0	910	868	1900	4600	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR
MIN	3.8	0.6	4.0	220	506	362	8	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR

Station	Sampldate	lab	Qmgd	FieldpH	labpH	C FieldT	uS FieldCond	uS labcond	mg/l TDS(180)	mg/l TSS	mg/l Hard	mg/l Eff	mg/l TAlkCaCOAcCaCo3	mg/l NO3&NO2	mg/l NO2	mg/l NH3-N	mg/l Cyanide	mg/l Fl
TTINFL	05-Jun-87	R&N		5.69	6.04	6.2	342	506	370	278.6								
TTINFL	10-Jun-87	IML		5.53	6.50	6	320		394	1540								
TTINFL	16-Jun-87	IML		6.01	6.33	5.5	295		378	234								
TTINFL	25-Jun-87	IML		6.17	6.30	5.5	220		362	734								
TTINFL	01-Jul-87	IML		5.72	6.30	7.1	325		406	1220								
TTINFL	07-Jul-87	IML		5.98	6.40	7.5	315		366	678								
TTINFL	15-Jul-87	IML		6.43	6.40	8.5	330			4600								
TTINFL	24-Jul-87	IML		6.68	6.30	7	360		644	1760								
TTINFL	30-Jul-87	IML		6.16	6.20	6	375		420	190								
TTINFL	06-Aug-87	IML		6.19	6.20	5.5	315		506	200								
TTINFL	11-Aug-87	IML		6.04	6.70	5.2	360		498	120								
TTINFL	18-Aug-87	IML		6.45	6.30	7	550		748	86								
TTINFL	27-Aug-87	IML		6.15		6	515											
TTINFL	05-Sep-87	IML		6.1	6.20	6	520	868	732	62								
TTINFL	13-Apr-88	IML			5.9	8.5			1480	7.6								
TTINFL	27-May-88	IML		6.35	5.60	5			530	456								
TTINFL	03-Jun-88	IML		5.85	6.50	5			572	155								
TTINFL	13-Jun-88	IML		6.09	6.70	4			416	816								
TTINFL	24-Jun-88	IML		6.35	6.40	6			432	1780								
TTINFL	30-Jun-88	IML		5.98	6.30	5			452	972								
TTINFL	15-Jul-88	IML		6.03	6.00	9			656	284								
TTINFL	22-Jul-88	IML		5.87	5.60	5.5			660	210								
TTINFL	29-Jul-88	NA		6.36		9												
TTINFL	06-Aug-88	IML		6.78	5.90	7			732	2660								
TTINFL	12-Aug-88	IML		6.3	0.56	9			974	1980								
TTINFL	18-Aug-88	IML		5.92	6.10	11			896	116								
TTINFL	27-Aug-88	IML		6.05	5.60	10			1050	1420								

Station	Sampldate	lab	Qmgd	FieldpH	labpH	C FieldT	uS FieldCond	uS labcond	mg/l TDS(180)	mg/l TSS	mg/l Hard	mg/l Eff TAlk	mg/l CaCO3	mg/l AcCaCo3	mg/l NO3&NO2	mg/l NO2	mg/l NH3-N	mg/l Cyanide	mg/l Fl
TTINFL	01-Sep-88	IML		6.75	6.20	6			1900	2420									
TTINFL	07-Sep-88	IML		6.4	2.10	6			852	80									
TTINFL	15-Sep-88	IML		6.09	6.60	5.5			1850	1370									
TTINFL	23-Sep-88	IML		6.69	5.40				778	195									
TTINFL	26-Sep-88	IML		6.82	6.00	6			716	78									
TTINFL	05-Oct-88	NA																	
TTINFL	12-Oct-88	IML		5.23	4.10	4			1110	8.4									
TTINFL	26-May-89	IML		6.83	6.4				434	89									
TTINFL	07-Jun-89	IML		6.31	5.64	9			498	85									
TTINFL	13-Jul-89	IML		6.45	6.51	7.5	410		606	393									
TTINFL	29-Aug-89	IML		4.92	4.69	9	910		1166	17									
TTINFL	26-Sep-89	IML		4.53	4.48	8	690		1118	37									
TTINFL	26-Oct-89	IML		5.16	4.81	5	680		916	15									
TTINFL	27-Jun-90	IML		6.36	6.75	5.0			632	139									
TTINFL	30-Jul-90	IML		5.9	5.4	5.0			908	157									
TTINFL	30-Aug-90	IML		6.23		9.0													
TTINFL	12-Sep-90	IML		5.99	5.22	9.0			1128	524									
TTINFL	06-Jun-91			4.5															
TTINFL	11-Jun-91	IML		5.6		10													
TTINFL	17-Jun-91	IML		4.4		9.9													
TTINFL	18-Jun-91			4.1															
TTINFL	20-Jun-91			5.2															
TTINFL	24-Jun-91			4.2		9													
TTINFL	01-Jul-91			3.8		8.6													

TABLE 2
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary METALS
Date Available thru: Site: TTINFL*
08-Jul-91

Mean	ERR	ERR	ERR	ERR	0.138	0.201	2.63	0.92	ERR	ERR	ERR	ERR	4.81	0.51	0.000	0.000	ERR	ERR	ERR	ERR	32.69	40.90
MAX	ERR	ERR	ERR	ERR	0.397	0.289	29.00	1.30	ERR	ERR	ERR	ERR	26.40	0.65	0.003	0.000	ERR	ERR	ERR	ERR	65.35	52.00
MIN	ERR	ERR	ERR	ERR	0.002	0.113	0.15	0.53	ERR	ERR	ERR	ERR	0.00	0.37	0.000	0.000	ERR	ERR	ERR	ERR	6.32	29.80

Station	Sampldate	mg/l dAg	mg/l dAl	mg/l dTAs	mg/l dAu	mg/l TCadmium	mg/l dCd	mg/l TCopper	mg/l dCu	mg/l TCr	mg/l dCr	mg/l TFe3	mg/l dFe3	mg/l TLead	mg/l dPb	mg/l TMercury	mg/l dHg	mg/l TMn	mg/l dMn	mg/l dSe	mg/l dSr	mg/l TZinc	mg/l dZn
TTINFL	05-Jun-87					0.056		0.74						2.49		0.0002						15.84	
TTINFL	10-Jun-87					0.003		1.64						19.5		<.001						20	
TTINFL	16-Jun-87					0.063		0.76						<.02		<.001						15.2	
TTINFL	25-Jun-87					0.002		1.14						0.23		<.001						19.5	
TTINFL	01-Jul-87					0.066		1.39						7.19		0.0010						19.7	
TTINFL	07-Jul-87					0.07		0.97						3.99		<.001						16.15	
TTINFL	15-Jul-87					0.138		3.85						26.4		<.001						33.17	
TTINFL	24-Jul-87					0.092		1.46						10.66		<.001						22.19	
TTINFL	30-Jul-87					0.077		0.15						0.17		<.001						16.9	
TTINFL	06-Aug-87					0.085		0.59						1.13		<.001						21.4	
TTINFL	11-Aug-87					0.084		0.57						0.76		<.001						20.7	
TTINFL	18-Aug-87					0.089		0.6						0.88		<.001						23.6	
TTINFL	27-Aug-87																						
TTINFL	05-Sep-87					0.119		0.55						0.99		<.001						31.6	
TTINFL	13-Apr-88					0.180		0.71						0.07		<.001						60.6	
TTINFL	27-May-88					0.058		1.38						3.78		<.001						20.9	
TTINFL	03-Jun-88					0.080		1.76						2.45		<.001						27.4	
TTINFL	13-Jun-88					0.030		2.04						4.17		<.001						27.1	
TTINFL	24-Jun-88					0.343		3.5						17.1		<.001						37.2	
TTINFL	30-Jun-88					0.134		4.21						26.3		<.001						46.1	
TTINFL	15-Jul-88					0.134		1.69						2.12		<.001						60.9	
TTINFL	22-Jul-88					0.120		1.47						1.11		<.001						38.6	
TTINFL	29-Jul-88																						
TTINFL	06-Aug-88					0.163		2.26						0.18		<.001						39.8	
TTINFL	12-Aug-88					0.397		6.18						22.9		<.001						64.18	
TTINFL	18-Aug-88					0.108		2.14						0.071		<.001						44.9	
TTINFL	27-Aug-88					0.274		3.56						3.13		<.001						62.2	

Station	Sampldate	mg/l dAg	mg/l dAl	mg/l dTAs	mg/l dAu	mg/l TCadmium	mg/l dCd	mg/l TCopper	mg/l dCu	mg/l TCr	mg/l dCr	mg/l TFe3	mg/l dFe3	mg/l TLead	mg/l dPb	mg/l TMercury	mg/l dHg	mg/l TMn	mg/l dMn	mg/l dSe	mg/l dSr	mg/l TZinc	mg/l dZn
TTINFL	01-Sep-88					0.227		2.96						4.25		<.001						45.6	
TTINFL	07-Sep-88					0.039		0.18						0.31		<.001						12	
TTINFL	15-Sep-88					0.075		2.09						4.97		<.001						51.5	
TTINFL	23-Sep-88					0.190		1.23						0.96		<.001						34.9	
TTINFL	26-Sep-88					0.148		1.18						0.51		<.001						32.1	
TTINFL	05-Oct-88																						
TTINFL	12-Oct-88					0.373		29						0.68		<.001						42.8	
TTINFL	26-May-89					0.064		0.680						1.57		<.001						13.43	
TTINFL	07-Jun-89					0.100		1.320						1.35		0.0020						10.05	
TTINFL	13-Jul-89					0.125		1.330						1.55		0.0030						25.92	
TTINFL	29-Aug-89					0.258		4.630						0.74		<.001						65.35	
TTINFL	26-Sep-89					0.152		3.870						1.44		<.001						6.32	
TTINFL	26-Oct-89					0.129		2.170						0.15								31.5	
TTINFL	27-Jun-90					0.1275	0.1125	1.67	0.53					4.26	0.371	<.0002	<.0002					37	29.8
TTINFL	30-Jul-90					0.128		3.34						2.30		0.002						43.8	
TTINFL	30-Aug-90					0.2560		4.770						11.10		<.002						30	
TTINFL	12-Sep-90					0.2920	0.2890	2.100	1.3					3.12	0.646	<.002						52	52
TTINFL	06-Jun-91																						
TTINFL	11-Jun-91																						
TTINFL	17-Jun-91																						
TTINFL	18-Jun-91																						
TTINFL	20-Jun-91																						
TTINFL	24-Jun-91																						
TTINFL	01-Jul-91																						

TTINFL Tbl. 7-7

Lake Emma Inflow to Mine

TABLE 1
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary Site: TT003*
Date Available thru:
08-Jul-91

Mean	0.033	6.0	6.4	8.0	118	179	147	31	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR
MAX	0.144	7.3	7.7	15.0	205	183	840	478	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR
MIN	0.005	4.8	3.9	3.0	60	174	42	0	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR

						C	uS	uS	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Station	Sampldate	lab	Qmgd	FieldpH	labpH	FieldT	FieldCond	labcond	TDS(180)	TSS	Hard	Eff	TAlkCaCOAcCaCo3	NO3&NO2	NO2	NH3-N	Cyanide	Fl
TT003	25-Jun-87	IML		6	6.50	11.1	205		240	1								
TT003	15-Jul-87	IML	0.05	5.9	6.30	10	170		168	<1								
TT003	06-Aug-87	IML	0.04	5.66	6.80	6	130		146	<1								
TT003	12-Sep-87	IML	0.03	5.89	6.20	5.5	119	174	120	<.01								
TT003	06-Oct-87	IML	0.01	5.88	6.30	8		183	122	2								
TT003	24-Jun-88	IML		5.99	6.40	7.5			164	<.001								
TT003	15-Jul-88	IML		5.84	5.80	4			168	2								
TT003	31-Aug-88	IML	0.03	5.23	6.2	8			840	30								
TT003	26-Sep-88	IML	0.03	5.44	6.30	7			58	17								
TT003	12-Oct-88	IML	0.02	6.44	6.60	3			60	478								
TT003E	21-Jun-89	IML	0.02	6.81	7.7	7	85		62	0.4								
TT003W	21-Jun-89	IML	0.03	6.2	7.43	7	60		44	6								
TT003	25-Jul-89	IML	0.02	6.57	6.7	15			70	2								
TT003	29-Aug-89	IML	0.05	6.28	6.86	10.5	155		112	1								
TT003	26-Sep-89	IML	0.03	4.77	4.85	9	75		80	3								
TT003	13-Oct-89	IML	0.029	7.33	7.65	5			192	17								
TT003	25-Jul-90	IML	0.014	5.61	5.63	12.0			42	3								
TT003	20-Aug-90	IML	0.014	6.39	6.62	6.0			60	7								
TT003	19-Sep-90	IML	0.0050	5.78	3.86	10.0			48	14								
TT003	01-Jul-91	IML	0.144	6.8		7.6	60											

TABLE 2
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary METALS
Date Available thru: Site: TT003*
08-Jul-91

Mean	ERR	ERR	ERR	ERR	0.003	ERR	0.03	ERR	ERR	ERR	ERR	ERR	0.17	ERR	0.000	ERR	ERR	ERR	ERR	ERR	1.88	ERR
MAX	ERR	ERR	ERR	ERR	0.012	ERR	0.17	ERR	ERR	ERR	ERR	ERR	0.88	ERR	0.001	ERR	ERR	ERR	ERR	ERR	5.90	ERR
MIN	ERR	ERR	ERR	ERR	0.000	ERR	0.00	ERR	ERR	ERR	ERR	ERR	0.00	ERR	0.000	ERR	ERR	ERR	ERR	ERR	0.04	ERR

	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
StationSampldate	dAg	dAl	dTAs	dAu	TCadmium	dCd	TCopper	dCu	TCr	dCr	TFe3	dFe3	TLead	dPb	TMercury	dHg	TMn	dMn	dSe	dSr	TZinc	dZn
TT003 25-Jun-87					<.002		<.01						<.02		<.001						3.91	
TT003 15-Jul-87					0.006		0.02						<.02		<.001						3.57	
TT003 06-Aug-87					0.007		0.04						<.02		<.001						2.7	
TT003 12-Sep-87					0.008		<.01						<.02		<.001						2.62	
TT003 06-Oct-87					<.002		0.01						<.02		<.001						1.87	
TT003 24-Jun-88					0.012		0.03						<.002		<.001						3.76	
TT003 15-Jul-88					0.002		0.01						0.01		<.001						5.56	
TT003 31-Aug-88					0.007		0.01						0.37		<.001						2.02	
TT003 26-Sep-88					<.002		<.01						0.38		<.001						0.29	
TT003 12-Oct-88					<.002		0.09						0.06		<.001						0.49	
TT003E 21-Jun-89					<.002		<.01						0.01		<.001						0.04	
TT003W 21-Jun-89					0.008		0.030						0.18		<.001						0.55	
TT003 25-Jul-89					0.002		<.01						0.076		<.0002						0.68	
TT003 29-Aug-89					0.002		<.01						0.05		<.001						0.78	
TT003 26-Sep-89					<.002		0.170						0.44		<.001						0.31	
TT003 13-Oct-89					<.002		0.040						0.03		0.0010						5.9	
TT003 25-Jul-90					0.0004		0.010						0.555		<.0002						0.21	
TT003 20-Aug-90					0.0005		0.030						0.163		<.0002						0.21	
TT003 19-Sep-90					<.002		0.080						0.882		<.002						0.34	
TT003 01-Jul-91																						

Animas River

TABLE 1
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary Site: AR3.*
Date Available thru:
09-Jul-91

Mean				7.7	7.3	7.7	168	264	164	4	129	28	0	0.40	ERR	0.17	0.00	0.63
MAX				8.5	7.9	12.0	300	371	302	21	168	34	0	2.55	ERR	0.90	0.00	1.49
MIN				6.7	6.4	2.0	110	197	58	0	86	19	0	0.01	ERR	0.00	0.00	0.31
						C	uS	uS	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Station	Samplddate	lab	@mgd	FieldpH	labpH	FieldT	FieldCond	labcond	TDS(180)	TSS	Hard	Alk	Ac	NO3&NO2	NO2	NH3-N	Cyanide	Fl
AR3.5	01-Jul-86			7.7					85	1								
AR3.5	01-Aug-86			7.8					113	2							0.001	
AR3.5	01-Sep-86			7.5					117	7							0.004	
AR3.5	01-Oct-86			7.3					148	1	137			0.01		0.01	0.001	
AR3.5	02-Sep-87	IML	47.5	7.6	7.6	11.0	160.0	233	170	nd	105	32	nd	0.15		0.03		0.31
AR3.5	03-May-88	IML	38.4	7.9	7.0	8.0	120.0	260	166	3	115	26	nd	0.23		0.03	nd	0.4
AR3.5	18-Oct-88	IML	26.7	7.1	7.0			270	200	3	125	34	nd	2.55		0.90	nd	0.39
AR3.5	20-Apr-89	IML	115.9	7.9	6.4	9.0	150.0	218	58	2	93	19	nd	0.31		0.35	nd	0.39
AR3.5	16-May-89	IML	76.0	7.1	6.9	4.5	110.0	197	112	1	86	27	<1	0.31		0.1	<.005	0.52
AR3.5	30-Oct-89	IML	17.6	8.0	7.8	2.0	170.0	339	302	2	139	32	0	0.14		<.01	<.005	0.53
AR3.5	12-Mar-90	IML/AB	notmeas	8.2	7.0	2.0	300.0	371	272	6	168	31	0	0.16		0.199	<.005	0.528
AR3.5	04-May-90	IML	35.7	8.5	7.3	8.0	165.0	290	186	1	130	30	0	0.23		0.07	<.005	0.9
AR3.25	30-Jul-90	IML		7.7	7.9	12.0		230	192	5	112	23	0	0.39		0.08	<.005	0.67
AR3.5	30-Jul-90	IML		7.7	7.8	12.0		230	194	2	108	23	0	0.44		0.06	<.005	0.52
AR3.5	24-Sep-90	IML/THE									160							
AR3.5	30-Oct-90	IML	47.0	8.0	6.8	10.0		254	136	3	112	31	0	0.06		0.36	<.005	1.49
AR3.5	06-Dec-90	IML/THE		7.7	7.7						138							
AR3.5	11-Dec-90	IML/THE									138							
AR3.5	15-Jan-91	IML/THE									143							
AR3.5	24-Jan-91	IML/THE									157							
AR3.5	12-Mar-91	IML/THE									152							
AR3.5	30-Apr-91	IML/RN	35.1	6.7	7.8	5.9		274.0	172	21	124	32	0	0.19		<.04	<.01	0.91

TABLE 2
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary METALS
Date Available thru: Site: AR3.*
09-Jul-91

Mean	0.00	0.04	0.00	0.00	0.004	0.002	0.02	0.01	ERR	0.00	ERR	0.06	0.08	0.00	0.000	0.000	ERR	0.24	0.00	0.40	0.27	0.43
MAX	0.00	0.40	0.05	0.00	0.006	0.006	0.03	0.04	ERR	0.00	ERR	0.35	0.25	0.03	0.000	0.000	ERR	0.49	0.00	0.41	0.42	0.98
MIN	0.00	0.00	0.00	0.00	0.001	0.000	0.01	0.00	ERR	0.00	ERR	0.00	0.01	0.00	0.000	0.000	ERR	0.00	0.00	0.38	0.16	0.17

Station	Sampldate	ug/l dAg	ug/l dAl	ug/l dAs	ug/l dAu	ug/l TCd	ug/l dCd	ug/l TCu	ug/l dCu	ug/l TCr	ug/l dCrT	ug/l TFe	ug/l dFeIII	ug/l TPb	ug/l dPb	ug/l THg	ug/l dHg	ug/l TMn	ug/l dMn	ug/l dSe	ug/l dSr	ug/l TZn	ug/l dZn
AR3.5	01-Jul-86					0.001		0.01						0.25		0.00036						0.16	
AR3.5	01-Aug-86					0.004		0.025						0.015		0.0001						0.18	
AR3.5	01-Sep-86					0.006		0.033						0.063		0.00039						0.417	
AR3.5	01-Oct-86					0.004		0.02						0.01		0.00033						0.31	
AR3.5	02-Sep-87	nd	nd	nd			0.002		nd		nd		nd		nd		nd		0.35	nd			0.37
AR3.5	03-May-88	nd	nd	nd			nd		nd		nd		nd		nd		nd		0.3	nd			0.49
AR3.5	18-Oct-88	nd	nd	nd			nd		0.04		nd		0.35		0.03		nd		0.18	nd			0.29
AR3.5	20-Apr-89	nd	0.1	nd			0.006		0.01		nd		0.12		nd		nd		0.49	nd			0.98
AR3.5	16-May-89	<.01	<.01	0.049			0.002		<.01		<.02		0.11		<.02		<.001		0.26	<.005			0.5
AR3.5	30-Oct-89	nd	0.4	nd			0.002		0.01		nd		0.16		nd		nd		nd	nd			0.17
AR3.5	12-Mar-90	nd	nd	0.0006			0.0027		nd		nd		nd		0.005		nd		0.22	nd			0.42
AR3.5	04-May-90	nd	nd	nd			0.0015		nd		nd		nd		nd		nd		0.23	nd			0.48
AR3.25	30-Jul-90	<.01	<.1	0.0003			0.0014		<.01		<.02		<.05		0.019		<.0002		0.14	<.0002			0.27
AR3.5	30-Jul-90	<.01	<.1	0.0009			0.0013		<.01		<.02		<.05		<.004		0.0002		0.14	<.0002			0.27
AR3.5	24-Sep-90																						
AR3.5	30-Oct-90	<.01	<.1	0.0008	<.05		0.0016		<.01		<.02		<.05		<.004		<.001		0.38	0.000	0.38		0.45
AR3.5	06-Dec-90																						
AR3.5	11-Dec-90																						
AR3.5	15-Jan-91																						
AR3.5	24-Jan-91																						
AR3.5	12-Mar-91																						
AR3.5	30-Apr-91	<.01	<.1	<.005	<.05		0.0007		<.01		<.02		<.05		<.005		<.001		0.21	<.005	0.41		0.46

TABLE 3
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary CAT/AN BAL
Date Available thru: Site: AR3.*
09-Jul-91

Mean	34	0	2	88	42	3	1	2
MAX	41	0	4	137	61	7	2	3
MIN	23	0	0	56	26	0	0	1

Station	Sampldate	mg/l Bicarb	mg/l CO3	mg/l Chloride	mg/l Sulfate	mg/l Ca	mg/l Mg	mg/l K	mg/l Na	% cat/andiff
AR3.5	01-Jul-86									
AR3.5	01-Aug-86									
AR3.5	01-Sep-86									
AR3.5	01-Oct-86									
AR3.5	02-Sep-87	39	0	0	70	41	0	nd	2	1.88
AR3.5	03-May-88	31	0	2	80	44	1	nd	2	1.06
AR3.5	18-Oct-88	41	0	nd	90	47	2	1	2	0.77
AR3.5	20-Apr-89	23	0	0	70	26	7	0	2	2.1
AR3.5	16-May-89	27	0	3	56	32	1	1	1	1.1
AR3.5	30-Oct-89	38.65	0	0	109.05	50.53	3.13	0.88	2.5	1.43
AR3.5	12-Mar-90	37.28	0	3.21	136.62	60.64	4.16	0.84	2.7	0.73
AR3.5	04-May-90	36.1	0	0.5	99.2	46.2	3.5	1.5	2.1	0.56
AR3.25	30-Jul-90	28	0	2.1	85.6	38.6	4	1.5	2.1	1.04
AR3.5	30-Jul-90	28	0	4.2	86	40.2	2	1.6	2.4	1.84
AR3.5	24-Sep-90									
AR3.5	30-Oct-90	37.8	0	4.08	79.4	36.9	4.93	0.52	1.7	1.13
AR3.5	06-Dec-90									
AR3.5	11-Dec-90									
AR3.5	15-Jan-91									
AR3.5	24-Jan-91									
AR3.5	12-Mar-91									
AR3.5	30-Apr-91	38.4	0	3.04	94	43.1	3.92	0.63	2.3	1.65

TABLE 4
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary BIOMONITORING DATA
Date Available thru: Site: AR3.*
09-Jul-91

Mean	100	3	291	980	198	ERR	136	116	ERR	145.00	0.00
MAX	100	5	306	980	198	ERR	136	200	ERR	290.00	0.00
MIN	100	0	275	980	198	ERR	136	32	ERR	0.00	0.00

	LC50	%SURV	LC50	%SURV	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l				
Station	Sampldate	FHM	FHM100%	Cerio	Cerio100%	ReconHard	ReconCond	ReconAlk	RcvHard	EFFHard	EFFAlk	EFFCon	EFFAmm	EFFCl	Date strt	Time strt	pH strt	pH end
AR3.5	01-Jul-86																	
AR3.5	01-Aug-86																	
AR3.5	01-Sep-86																	
AR3.5	01-Oct-86																	
AR3.5	02-Sep-87																	
AR3.5	03-May-88																	
AR3.5	18-Oct-88																	
AR3.5	20-Apr-89																	
AR3.5	16-May-89																	
AR3.5	30-Oct-89																	
AR3.5	12-Mar-90	>100	100	24	5	306.00	980				200		290	<.02				
AR3.5	04-May-90																	
AR3.25	30-Jul-90																	
AR3.5	30-Jul-90																	
AR3.5	24-Sep-90																	
AR3.5	30-Oct-90																	
AR3.5	06-Dec-90																	
AR3.5	11-Dec-90																	
AR3.5	15-Jan-91																	
AR3.5	24-Jan-91																	
AR3.5	12-Mar-91																	
AR3.5	30-Apr-91				0	275		198		136	32		ND	ND				

Boulder Creek Above

TABLE 1
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary Site: BC1*
Date Available thru:
09-Jul-91

Mean	7.3	7.3	9.0	70	134	77	5	67	25	0	0.14	ERR	0.06	0.00	0.86
MAX	8.2	7.8	24.0	90	168	202	13	93	34	0	0.25	ERR	0.37	0.00	3.21
MIN	6.6	6.9	2.0	38	94	26	0	52	19	0	0.01	ERR	0.00	0.00	0.23

						C	uS	uS	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Station	Sampldate	lab	Qmgd	FieldpH	labpH	FieldT	FieldCond	labcond	TDS(180)	TSS		Hard	Alk	Ac	NO3&NO2	NO2	NH3-N	Cyanide	Fl
BC1	01-Jul-86	SGC		6.68		15			34	1									
BC1	01-Sep-86	SGC		7.29		24			54	3									
BC1	01-Oct-86	SGC		6.77		17			65	13					0.01		0.01	0.001	
BC1	28-Oct-88	IML	0.82	8.24	7.1	3.5		155	104	12		79	34	nd	0.14		0.37	nd	0.23
BC1	26-Apr-89	IML	5.23	7.25	6.9	2	38	94	26	7		93	19	nd	0.17		nd	nd	0.39
BC1	30-Oct-89	IML	1.17	7.39	6.9	2.5	90	168	202	2		63	28	0	0.21		<.01	<.005	0.27
BC1	04-May-90	IML	1.89	7.99	7.5	3.2	83	122	74	<.5		52	21	0	0.25		<.02	<.005	0.42
BC1	30-Oct-90	IML	2.00	7.83	7.8	7.5		118	42	3		60	27	0	0.06		0.07	<.005	3.21
BC1	30-Apr-91	IML/RN	1.22	6.58	7.6	6.2		149	94	2		55	24	0	0.14		<.04	<.01	0.63

TABLE 2
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary METALS
Date Available thru: Site: BC1*
09-Jul-91

Mean	0.00	0.05	0.00	0.00	0.017	0.001	0.02	0.01	ERR	0.00	ERR	0.08	0.02	0.01	0.001	0.000	ERR	0.06	0.00	0.19	0.11	0.05
MAX	0.00	0.10	0.00	0.00	0.030	0.002	0.03	0.02	ERR	0.00	ERR	0.49	0.05	0.08	0.003	0.000	ERR	0.34	0.00	0.20	0.14	0.10
MIN	0.00	0.00	0.00	0.00	0.010	0.000	0.01	0.00	ERR	0.00	ERR	0.00	0.01	0.00	0.000	0.000	ERR	0.00	0.00	0.18	0.10	0.00

		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Station	Sampldate	dAg	dAl	dAs	dAu	TCd	dCd	TCu	dCu	TCr	dCrT	TFe	dFeIII	TPb	dPb	THg	dHg	TMn	dMn	dSe	dSr	TZn	dZn
BC1	01-Jul-86					0.010		0.01						0.01		0.00						0.10	
BC1	01-Sep-86					0.030		0.03						0.05		0.00						0.14	
BC1	01-Oct-86					0.010		0.01						0.01		0.00						0.10	
BC1	28-Oct-88	nd	0.10	nd			0.002		0.01		nd		0.49		0.08		nd		0.34	nd			0.10
BC1	26-Apr-89	nd	0.10	nd			nd		0.01		nd		nd		nd		nd		nd	nd			0.09
BC1	30-Oct-89	nd	nd	nd			0.002		nd		nd		.06		nd		nd		nd	nd			nd
BC1	04-May-90	nd	nd	nd			0.000		0.02		nd		nd		nd		nd		nd	nd			0.04
BC1	30-Oct-90	<.01	<.1	0.001	<.05		<.0002		<.01		<.02		<.05		<.004		<.001		<.02	<.0002	0.18		0.03
BC1	30-Apr-91	<.01	0.10	<.005	<.01		<.0005		<.01		<.02		<.05		<.005		<.005		<.02	<.005	0.20		0.04

TABLE 3
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary CAT/AN BAL
Date Available thru: Site: BC1*
09-Jul-91

Mean	31	0	2	29	21	1	1	1
MAX	41	0	6	40	28	2	1	2
MIN	23	0	0	13	12	1	0	0

Station	Sampldate	Bicarb mg/l	CO3 mg/l	Chloride mg/l	Sulfate mg/l	Ca mg/l	Mg mg/l	K mg/l	Na mg/l	cat/and % diff
BC1	01-Jul-86									
BC1	01-Sep-86									
BC1	01-Oct-86									
BC1	28-Oct-88	41.0	0.0	2.0	40.0	28.0	2.0	nd	2.0	2.5
BC1	26-Apr-89	23.0	0.0	0.0	13.0	12.0	1.0	1.0	0.0	3.3
BC1	30-Oct-89	33.8	0.0	0.0	36.6	24.4	0.5	0.7	1.4	1.3
BC1	04-May-90	25.6	0.0	1.4	31.9	19.3	1.0	1.4	0.9	1.0
BC1	30-Oct-90	33.6	0.0	6.1	25.5	20.9	2.0	0.3	0.9	0.2
BC1	30-Apr-91	28.7	0.0	3.0	28.6	20.1	1.2	0.4	1.7	0.8

TABLE 4
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary BIOMONITORING DATA
Date Available thru: Site: BC1*
09-Jul-91

Mean	ERR	10	275	ERR	198	ERR	56	32	ERR	0.00	0.00	
MAX	ERR	10	275	ERR	198	ERR	56	32	ERR	0.00	0.00	
MIN	ERR	10	275	ERR	198	ERR	56	32	ERR	0.00	0.00	

	LC50	%SURV	LC50	%SURV	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		
Station	Sampldate	FHM	FHM100%	Cerio	Cerio100%	ReconHard	ReconCond	ReconAlk	RcvHard	EFFHard	EFFAlk	EFFCon	EFFAmm	EFFCl	Date strt	Time strt	pH strt	pH end
BC1	01-Jul-86																	
BC1	01-Sep-86																	
BC1	01-Oct-86																	
BC1	28-Oct-88																	
BC1	26-Apr-89																	
BC1	30-Oct-89																	
BC1	04-May-90																	
BC1	30-Oct-90																	
BC1	30-Apr-91			TDX		10	275		198	56	32		ND	ND				

Cement Creek
(above Mine)

TABLE 1
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary Site: CC1*
Date Available thru:
08-Jul-91

Mean			4.3	4.0	8.2	263	410	320	21	174	0	40	0.24	ERR	0.07	0.00	1.26
MAX			6.1	5.2	19.5	1000	1060	945	104	518	4	166	0.62	ERR	0.64	0.02	4.79
MIN			3.2	3.1	0.0	110	168	62	1	43	0	1	0.00	ERR	0.00	0.00	0.07
Station	Sampldate	lab	Qmgd	FieldpH	labpH	C FieldT	uS FieldCond	uS labcond	mg/l TDS(180)	mg/l TSS	mg/l Hard	mg/l Alk	mg/l Ac	mg/l NO3&NO2	mg/l NO2	mg/l NH3-N	mg/l Cyanide	mg/l Fl
CC1	09-Apr-87	SGC			5.2			680	650	32								
CC1	28-May-87	RN	4.53	3.47	3.7	4.9	140		945		194	nd						
CC1	02-Jul-87	IML	11.47	3.9	4.2	8.8	150	285	110	10	58	0	28	0.62		0.07	nd	0.41
CC1	11-Aug-87	IML	2.44	4.29	4.3	13.2	170	186	140	1	90	4	14	0.18		0.03		0.44
CC1	06-Nov-87	IML	0.49	3.94	4.2	0		409	342	5	188	0	30	0.16		nd	nd	0.95
CC1	13-May-88	IML	9.78	4.4	3.3	5		177	120	13	51	nd	26	0.31		0.04	0.018	0.21
CC1	21-Jul-88	IML	1.65	4.11	4.6	19.5		204	198	3	91	1	14	0.18		0.07	nd	0.35
CC1	31-Aug-88	IML	1.09	5.57	4.7	6		266	186	10	126	1	21	0.18		0.12	nd	0.87
CC1	14-Sep-88	IML	1.87	3.33	3.6	9		351	236	22	143	0	53	0.3		0.1	nd	0.65
CC1	05-Oct-88	IML	0.84	4.62	4.1	6.5		304	208	34	124	nd	28	0.22		0.64	nd	0.67
CC1	26-Apr-89	IML	7.00	4.06	3.6	8	140	260	62	22	93	0	48	0.32		nd	nd	0.84
CC1	31-May-89	IML	15.67	3.86	4.1	12	150	170	468	15	43		11	0.16		<.01	<.005	4.79
CC1	29-Jun-89	IML	5.06	4.59	4.6	7.7	110	169	114	3	66	0	14	0.185		<.1	<.005	0.527
CC1	28-Jul-89	IML	notmeas	4.54	4.4	11	170	213	172	3	95	<.01	13	0.1		<.01	<.005	0.77
CC1	28-Aug-89	IML	0.64	4.24	4.8	10	230	308	210	2	129	2	21	0.24		<.01	<.005	0.75
CC1	25-Sep-89	IML	0.57	4.34	4.4	12.5	250	387	256	6	157	0	1	0.13		0.15	<.005	0.76
CC1	27-Oct-89	IML	notmeas	4.95	4.3	6	260	447	296	13	173	0	18	0.31		<.01	<.005	0.94
CC1	30-Nov-89	IML	notmeas	4.41	4.3	0	390	606	366	4	248	0	30	0.29		<.01	<.005	1.08
CC1.5	12-Mar-90	IML	notmeas	3.83	3.6	7	1000	1060	842	29	518	0	75	0.09		nd	nd	2.66
CC1	07-May-90	IML	3.20	3.54	3.3	2		614	286	54	99	0	128	0.48		0.08	<.005	1.66
CC1	25-Jun-90	IML	8.39	4.32	3.8	13		168	82	56	52	0	15	0.154		0.19	<.005	0.43
CC1	31-Jul-90	IML	0.58	4.32	4.1	11		269	220	8	104	0	25	0.44		0.06	<.005	0.07
CC1	27-Aug-90	IML	notmeas	4.08	4.2	14		349	288	39	120	0	23	<.04		0.03		1.19
CC1	25-Sep-90	IML	notmeas	4.22	3.4	11		338	186	6	124	0	27	0.18		0.13		1.5
CC1	15-Oct-90	IML	3.96	6.14	3.4	8		444	204	20	112	0	65	0.3		0.04	<.005	1.71
CC1	28-Nov-90		no access															
CC1	07-Jan-91		no access															
CC1.5	11-Feb-91	IML	0.23	5.65	3.5	1.9		777	704	4	399	0	75	0.17		<.02		3.05
CC1.5	28-Mar-91	IML	0.32	4.2	4.5	5		839	694	104	425	0	60	0.3		0.12		2.23
CC1.5	17-Apr-91	THE	notmea								458							
CC1.5	23-Apr-91	IML	2.24	3.23	3.1	7.6		789	368	51	399	0	166	0.27		<.04		3.24

TABLE 2
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary METALS
Date Available thru: Site: CC1*
08-Jul-91

Mean	0.00	3.07	0.00	0.00	0.007	0.016	0.32	0.38	ERR	0.00	ERR	2.52	0.14	0.06	0.250	0.000	ERR	2.12	0.00	1.18	3.53	3.79
MAX	0.00	12.90	0.03	0.00	0.008	0.070	0.33	1.93	ERR	0.00	ERR	35.70	0.18	0.29	0.300	0.000	ERR	10.38	0.01	1.67	4.80	9.76
MIN	0.00	0.00	0.00	0.00	0.005	0.000	0.30	0.01	ERR	0.00	ERR	0.00	0.10	0.00	0.200	0.000	ERR	0.47	0.00	0.36	2.25	1.09

		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Station	Sampldate	dAg	dAl	dAs	dAu	TCd	dCd	TCu	dCu	TCr	dCrT	TFe	dFeIII	TPb	dPb	THg	dHg	TMn	dMn	dSe	dSr	TZn	dZn
CC1	09-Apr-87					0.005		0.33						0.1		0.3						4.8	
CC1	28-May-87					0.008		0.3						0.18		0.2						2.25	
CC1	02-Jul-87	nd	0.8	nd			0.032		0.13		nd		0.72		nd		nd		1	0.012			3.8
CC1	11-Aug-87	nd	1.2	nd			0.017		0.22		nd		0.28		nd		nd		0.9	nd			1.94
CC1	06-Nov-87	nd		nd			0.01				nd		0.11		nd		nd		1.36	nd			4.01
CC1	13-May-88	nd	1.7	nd			0.012		0.35		nd		1.98		nd		nd		0.88	nd			2.24
CC1	21-Jul-88	nd	1	nd			0.007		0.19		nd		0.31		nd		nd		0.62	nd			1.79
CC1	31-Aug-88	nd	0.2	nd			0.008		0.27		nd		0.31		nd		nd		1.06	nd			2.6
CC1	14-Sep-88	nd	3.2	nd			0.015		0.56		nd		3.99		0.05		nd		1.81	nd			3.73
CC1	05-Oct-88	nd	5.21	0.005			0.012		0.17		nd		1.71		0.02		nd		1.09	nd			2.84
CC1	26-Apr-89	nd	3.93	nd			0.018		0.67		nd		1.27		0.02		nd		1.11	nd			3.33
CC1	31-May-89	nd	1.8	nd			0.007		0.24		nd		1.24		0.04		nd		0.47	nd			1.35
CC1	29-Jun-89	nd	0.75	nd			nd		0.16		nd		0.27		nd		nd		0.47	nd			1.26
CC1	28-Jul-89	nd	nd	nd			0.007		0.14		nd		0.17		0.02		nd		0.54	nd			1.38
CC1	28-Aug-89	<.01	1.27	nd			0.01		0.16		nd		0.08		0.17		nd		0.73	nd			2.31
CC1	25-Sep-89	nd	1.7	nd			0.005		0.01		nd		0.08		nd		nd		0.79	nd			2.69
CC1	27-Oct-89	nd	2.8	nd			.005		0.2		nd		0.08		nd		nd		0.91	nd			3.11
CC1	30-Nov-89	nd	3.5	nd			0.0062		0.22		nd		nd		nd		nd		1.07	nd			3.51
CC1.5	12-Mar-90	nd	nd	******			0.0333		0.01		nd		0.98		0.257		nd		10.38	nd			7.03
CC1	07-May-90	nd	11.6	0.001			0.0454		1.54		nd		9.3		0.018		nd		3.31	nd			6.86
CC1	25-Jun-90	<.01	1	<.0003			0.0166		0.17		<.02		0.22		<.004		<.0002		0.55	<.0002			1.09
CC1	31-Jul-90	<.01	1.8	<.0003			0.0145		0.26		<.02		0.55		0.018				0.79	<.0002			2.34
CC1	27-Aug-90	<.01	2.3	<.005			<.002		0.3		<.02		0.45		<.005		<.002		1.04	<.005			8.91
CC1	25-Sep-90	<.01	1.6	<.005			0.012		0.27		<.02		0.28		<.005				0.97	<.005			2.94
CC1	15-Oct-90	<.01	4.7	0.002			0.0309		0.68		<.02		3.92		0.032		<.0002		1.51	<.0002			4.19
CC1	28-Nov-90																						
CC1	07-Jan-91																						
CC1.5	11-Feb-91	<.01	6.7	<.0003	<.05		0.0701		0.4		<.02		1.07		0.29		<.0002		8.31	<.0002	1.5		7.43
CC1.5	28-Mar-91	<.01	5.2	<.005	<.05		0.015		0.26		<.02		0.32		0.25		<.001		6.78	<.005	1.67		5.97
CC1.5	17-Apr-91																						
CC1.5	23-Apr-91	<.01	12.9	0.03	<.005		0.008		1.93		<.02		35.7		0.26		<.001		6.61	<.005	0.36		9.76

TABLE 3
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary CAT/AN BAL
Date Available thru: Site: CC1*
08-Jul-91

Mean	0	0	2	182	55	6	1	2
MAX	4	0	8	590	168	25	2	8
MIN	0	0	0	50	14	0	0	0

Station	Sampldate	Bicarb mg/l	CO3 mg/l	Chloride mg/l	Sulfate mg/l	Ca mg/l	Mg mg/l	K mg/l	Na mg/l	cat/an diff %
CC1	09-Apr-87									
CC1	28-May-87			nd	80.0	76.4	0.9	nd	3.0	
CC1	02-Jul-87	0.0	0.0	0.0	60.0	16.0	4.0	nd	1.0	18.0
CC1	11-Aug-87	4.0	0.0	1.0	96.0	28.0	5.0	nd	1.0	0.7
CC1	06-Nov-87	0.0	0.0	0.0	210.0	64.0	6.0	nd	2.0	0.4
CC1	13-May-88	nd	nd	nd	60.0	14.0	4.0	nd	nd	8.6
CC1	21-Jul-88	1.0	0.0	1.0	100.0	31.0	3.0	1.0	1.0	3.2
CC1	31-Aug-88	1.0	0.0	2.0	120.0	35.0	10.0	1.0	1.0	6.4
CC1	14-Sep-88	0.0	0.0	1.0	140.0	37.0	12.0	nd	2.0	15.4
CC1	05-Oct-88	0.0	0.0	2.0	140.0	42.0	5.0	1.0	1.0	2.5
CC1	26-Apr-89	0.0	0.0	3.0	86.0	23.0	1.0	1.0	4.0	8.0
CC1	31-May-89			<.01	50.2	16.8	0.2	0.9	8.4	1.4
CC1	29-Jun-89	0.0	0.0	1.0	65.0	22.0	3.0	2.0	2.0	2.1
CC1	28-Jul-89	<.01	<.01	1.1	90.9	36.5	1.1	1.2	1.0	7.3
CC1	28-Aug-89	2.3	<.1	1.1	138.3	46.8	3.0	0.8	1.5	2.1
CC1	25-Sep-89	0.0	0.0	<.01	156.6	21.1	24.6	0.7	2.1	0.8
CC1	27-Oct-89	0.0	0.0	0.0	184.8	64.0	3.1	0.6	2.2	0.1
CC1	30-Nov-89	0.0	0.0	0.0	275.7	94.3	3.2	0.5	5.1	0.4
CC1.5	12-Mar-90	0.0	0.0	5.4	542.4	168.4	23.7	0.6	4.9	2.7
CC1	07-May-90	0.0	0.0	0.5	217.3	38.6	0.8	1.4	1.1	0.7
CC1	25-Jun-90	0.0	0.0	4.2	57.6	17.7	2.0	0.8	0.4	2.0
CC1	31-Jul-90	0.0	0.0	2.1	125.5	36.9	3.0	1.4	1.6	0.2
CC1	27-Aug-90	0.0	0.0	2.1	135.0	43.4	3.0	0.9	1.5	1.6
CC1	25-Sep-90	0.0	0.0	4.2	140.0	48.2	1.0	0.6	1.9	1.2
CC1	15-Oct-90	0.0	0.0	8.2	160.0	20.9	14.7	0.6	3.5	1.6
CC1	28-Nov-90									
CC1	07-Jan-91									
CC1.5	11-Feb-91	0.0	0.0	2.0	439.0	135.0	15.2	0.7	4.1	2.5
CC1.5	28-Mar-91	0.0	0.0	3.1	462.0	147.0	14.1	0.6	2.3	0.6
CC1.5	17-Apr-91									
CC1.5	23-Apr-91	0.0	0.0	1.5	590.0	158.0	1.2	0.6	1.8	4.0

TABLE 4
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary BIOMONITORING DATA
Date Available thru: Site: CC1*
08-Jul-91

Mean	0	0	308	ERR	ERR	ERR	653	ERR	950	0.20	ERR	
MAX	0	0	308	ERR	ERR	ERR	653	ERR	950	0.20	ERR	
MIN	0	0	308	ERR	ERR	ERR	653	ERR	950	0.20	ERR	

		LC50	%SURV	LC50	%SURV	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l				
Station	Sampldate	FHM	FHM100%	Cerio	Cerio100%	ReconHard	ReconCond	ReconAlk	RcvHard	EFFHard	EFFAlk	EFFCon	EFFAmm	EFFCl	Date strt	Time strt	pH strt	pH end
CC1	09-Apr-87																	
CC1	28-May-87																	
CC1	02-Jul-87																	
CC1	11-Aug-87																	
CC1	06-Nov-87																	
CC1	13-May-88																	
CC1	21-Jul-88																	
CC1	31-Aug-88																	
CC1	14-Sep-88																	
CC1	05-Oct-88																	
CC1	26-Apr-89																	
CC1	31-May-89																	
CC1	29-Jun-89																	
CC1	28-Jul-89																	
CC1	28-Aug-89																	
CC1	25-Sep-89																	
CC1	27-Oct-89																	
CC1	30-Nov-89																	
CC1.5	12-Mar-90	33	0	1	0	308				653		950	0.2					
CC1	07-May-90																	
CC1	25-Jun-90																	
CC1	31-Jul-90																	
CC1	27-Aug-90																	
CC1	25-Sep-90																	
CC1	15-Oct-90																	
CC1	28-Nov-90																	
CC1	07-Jan-91																	
CC1.5	11-Feb-91																	
CC1.5	28-Mar-91																	
CC1.5	17-Apr-91																	
CC1.5	23-Apr-91																	

Eureka Creek

TABLE 1
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary Site: EC1
Date Available thru:
09-Jul-91

Mean	7.4	7.1	7.6	132	239	127	41	89	19	0	0.93	ERR	0.17	0.02	0.31
MAX	8.0	8.6	18.0	170	742	182	154	122	25	0	10.50	ERR	0.51	0.22	0.87
MIN	7.0	6.1	1.0	86	149	50	1	62	13	0	0.00	ERR	0.00	0.00	0.00

Station	Sampldate	lab	Qmgd	FieldpH	labpH	FieldT C	FieldCond uS	labcond uS	TDS(180) mg/l	TSS mg/l	Hard mg/l	Alk mg/l	Ac mg/l	NO3&NO2 mg/l	NO2 mg/l	NH3-N mg/l	Cyanide mg/l	Fl mg/l
EC1	22-Oct-87	IML	0.05	7.3	8.6	7		742	134	28								
EC1	22-Jul-88	IML	0.68	7.0	7.1	8		150	140	4	71	21	nd	0.06		0.06	nd	0.18
EC1	31-Aug-88	IML	0.30	7.5	6.7	8.5		195	124	45	100	21	nd	0.38		0.26		0.49
EC1	26-Sep-88	IML	0.53	7.0	6.5	7		203	136	146	98	21	nd	0.15		0.06	nd	0.07
EC1	12-Oct-88	IML	0.43	7.0	6.1	2		207	154	154	93	19	nd	10.5		0.27	nd	0.14
EC1	25-May-89	IML	notmeas	7.2	6.4	1		149	92	13	62	14	<.1	0.2		0.506	0.215	0.233
EC1	07-Jun-89	IML	5.20	7.6	6.8	6.5	90	159	50	6	66	14	<1	0.242		<.01	<.005	0.372
EC1	13-Jul-89	IML	1.78	7.8	7	8.5	86	159	106	6	68	21	<.01	0.143		<.1	<.005	na
EC1	29-Aug-89	IML	0.18	7.2	7.25	10	170	226	144	1	101	25	<.01	0.24		<.1	<.005	0.21
EC1	26-Sep-89	IML	0.07	7.8	7.08	8.5	145	287	182	10	122	23	0	0.14		0.13	<.005	0.23
EC1	26-Oct-89	IML	0.07	7.4	7.32	1.5	170	270	166	148	109	13	0	0.31		<.01	<.005	0.34
EC1	27-Jun-90	IML	3.80	8.0	7.57	10		174	94	2	68	15	0	<.04		0.34	<.005	0.41
EC1	30-Jul-90	IML	0.34	7.2	7.9	10		188	146	5	92	19	0	0.31		0.06		0.54
EC1	30-Aug-90	IML	0.30	7.6		18								0.17		0.38		
EC1	25-Sep-90	IML	0.26	7.4	7.18	8		236	106	4	110	17	0	0.24		0.34		0.87

TABLE 2
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary METALS
Date Available thru: Site: EC1
09-Jul-91

Mean	0.00	1.02	0.01	ERR	0.003	0.001	0.10	0.03	ERR	0.00	ERR	0.72	0.17	0.08	0.000	0.000	ERR	0.88	0.00	ERR	0.95	0.56
MAX	0.01	14.10	0.12	ERR	0.003	0.006	0.10	0.16	ERR	0.00	ERR	7.72	0.17	0.75	0.000	0.001	ERR	3.47	0.00	ERR	0.95	0.99
MIN	0.00	0.00	0.00	ERR	0.003	0.000	0.10	0.00	ERR	0.00	ERR	0.00	0.17	0.00	0.000	0.000	ERR	0.14	0.00	ERR	0.95	0.24

		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Station	Sampldate	dAg	dAl	dAs	dAu	TCd	dCd	TCu	dCu	TCr	dCrT	TFe	dFeIII	TPb	dPb	THg	dHg	TMn	dMn	dSe	dSr	TZn	dZn
EC1	22-Oct-87					0.003		0.1						0.17		nd						0.95	
EC1	22-Jul-88	nd	nd	nd			T		nd		nd		nd		nd		nd		0.2	nd			0.24
EC1	31-Aug-88	nd	0.1	nd			T		0.01		nd		0.24		0.03		nd		0.89	nd			0.51
EC1	26-Sep-88	nd	nd	nd			0.002		0.08		nd		1.17		0.29		nd		1.06	nd			0.49
EC1	12-Oct-88	nd	14.1	0.005			0.006		0.16		nd		7.72		0.75		nd		3.47	nd			0.99
EC1	25-May-89	<.01	nd	<.005			0.004		0.01		nd		nd		<.02		0.001		0.87	<.005			0.78
EC1	07-Jun-89	<.01	nd	<.005			<.002		0.01		nd		nd		<.02		<.001		1.02	<.005			0.85
EC1	13-Jul-89	0.01	nd	<.005			<.002		0.02		nd		0.05		<.02		na		0.15	na			0.25
EC1	29-Aug-89	<.01	nd	<.005			<.002		0.02		nd		nd		0.08		<.001		0.43	<.005			0.39
EC1	26-Sep-89	nd	nd	0.12			nd				nd				nd		nd		0.89	nd			0.6
EC1	26-Oct-89	nd	nd	nd			0.003		0.02		nd		0.05		nd				0.14	nd			0.24
EC1	27-Jun-90	<.01	0.1	0.0012			0.0037		0.02		<.02		<.05		0.005		<.0002		0.9	<.0002			0.7
EC1	30-Jul-90	<.01	<.1	<.0003			0.0015		0.03		<.02		<.05		0.009		<.0002		0.53	<.0002			0.44
EC1	30-Aug-90	<.01	<.1	<.005			<.002		0.01		<.02		0.05		<.005		<.002		0.86	<.005			0.61
EC1	25-Sep-90	<.01	<.1	<.005			<.002		0.01		<.02		0.05		<.005		<.002		0.87	<.005			0.7

TABLE 3
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary CAT/AN BAL
Date Available thru: Site: EC1
09-Jul-91

Mean	23	0	2	68	28	4	1	1
MAX	30	0	4	98	36	17	1	2
MIN	16	0	0	49	21	0	0	0

Station	Sampldate	mg/l Bicarb	mg/l CO3	mg/l Chloride	mg/l Sulfate	mg/l Ca	mg/l Mg	mg/l K	mg/l Na	% cat/an diff
EC1	22-Oct-87									
EC1	22-Jul-88	25.0	0.0	nd	50.0	28.0	nd	nd	1.0	1.7
EC1	31-Aug-88	26.0	0.0	4.0	70.0	31.0	5.0	1.0	1.0	3.0
EC1	26-Sep-88	25.0	0.0	1.0	70.0	33.0	4.0	1.0	nd	0.3
EC1	12-Oct-88	23.0	0.0	1.0	70.0	33.0	3.0	nd	nd	0.5
EC1	25-May-89	16.5	0.0	<.01	48.8	20.7	2.4	0.5	1.4	0.4
EC1	07-Jun-89	16.5	<1	2.8	51.2	22.1	2.7	0.4	1.8	0.4
EC1	13-Jul-89	25.0	<.01	1.8	48.6	25.4	1.0	0.5	0.7	2.8
EC1	29-Aug-89	30.1	<.1	1.1	78.6	34.7	3.5	0.7	1.2	1.8
EC1	26-Sep-89	27.8	0.0	<.1	97.5	21.1	16.9	0.6	1.3	0.5
EC1	26-Oct-89	15.7	0.0	0.0	89.1	33.7	6.2	0.5	1.0	1.6
EC1	27-Jun-90	18.6	0.0	2.1	51.4	22.5	3.0	0.8	0.4	1.2
EC1	30-Jul-90	23.3	0.0	4.2	66.3	28.9	4.9	1.3	1.1	0.7
EC1	30-Aug-90									
EC1	25-Sep-90	20.7	0.0	2.1	88.1	36.1	4.9	0.4	1.0	0.2

American Tunnel Seep

TABLE 1
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary Site: ATS1*
Date Available thru:
09-Jul-91

Mean	5.0	4.6	11.2	420	669	516	34	355	0	87	0.93	ERR	0.10	0.00	2.81
MAX	5.8	5.5	17.0	420	875	820	95	587	0	236	2.64	ERR	0.17	0.00	6.56
MIN	4.7	3.2	6.0	420	449	303	5	209	0	24	0.00	ERR	0.00	0.00	1.27

					C	uS	uS	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Station	Sampldate	lab	Qmgd	FieldpH	labpH	FieldT	FieldCond	labcond	TDS(180)	TSS	Hard	Alk	Ac	NO3&NO2	NO2	NH3-N	Cyanide	Fl
ATS1	01-Sep-86		0.001	5.78					303	5				nd				
ATS1	28-Oct-88		0.000															
ATS1	11-May-89	IML	0.007	4.76	4.60	9		875	820	31	587	0	236	1.91		0.17	nd	6.56
ATS1	22-Jun-89	IML	0.000															
ATS1	05-Oct-89	IML	0.007	5.20	4.94	6	420	647	482	6	312	0	24	2.64		<.01	<.005	1.68
ATS1	13-Jun-90	IML	0.003	4.73	5.51	10		449	410	95	209	0	28	<.04		0.13	<.005	1.27
ATS1	10-Jul-90	IML	0.001	5.05	3.22	17		704	564		311	0	60	0.09			<.005	1.73
ATS1	07-Aug-90	IML	0.000															
ATS1	11-Sep-90	IML	0.000															
ATS1	23-Oct-90	IML	0.000															
ATS1	14-May-91		0.000															
ATS1	13-Jun-91		0.014	4.76		14												

TABLE 2
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary METALS
Date Available thru: Site: ATS1*
09-Jul-91

Mean	0.01	2.45	0.00	ERR	ERR	0.079	ERR	0.26	ERR	0.00	ERR	0.34	ERR	0.17	ERR	0.006	ERR	17.17	0.00	ERR	ERR	12.94
MAX	0.02	5.90	0.00	ERR	ERR	0.341	ERR	1.07	ERR	0.00	ERR	0.75	ERR	0.69	ERR	0.031	ERR	65.70	0.00	ERR	ERR	51.20
MIN	0.00	0.90	0.00	ERR	ERR	0.002	ERR	0.02	ERR	0.00	ERR	0.09	ERR	0.01	ERR	0.000	ERR	1.24	0.00	ERR	ERR	1.81

	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Station	Sampldate	dAg	dAl	dAs	dAu	TCd	dCd	TCu	dCu	TCr	dCrT	TFe	dFeIII	TPb	dPb	THg	dHg	TMn	dMn	dSe	dSr	TZn	dZn
ATS1	01-Sep-86						0.002		0.02				0.40		0.03		0.031		4.50				1.89
ATS1	28-Oct-88																						
ATS1	11-May-89	0.02	5.90	nd			0.341		1.07		<.02		0.09		0.69		nd		65.70	nd			51.20
ATS1	22-Jun-89																						
ATS1	05-Oct-89	nd	1.60	nd			0.034		0.11		nd		0.12		0.09		nd		4.44	nd			4.81
ATS1	13-Jun-90	<.01	0.90	0.002			0.002		0.03		<.02		0.32		0.03		<.0002		1.24	<0002			1.81
ATS1	10-Jul-90	<.01	1.40	0.001			0.014		0.06		<.02		0.75		0.01		<.0002		9.95	<.0002			4.98
ATS1	07-Aug-90																						
ATS1	11-Sep-90																						
ATS1	23-Oct-90																						
ATS1	14-May-91																						
ATS1	13-Jun-91																						

TABLE 3
San Juan County Mining Venture-Sunnyside Mine/Mayflower Mill
Water Data Summary CAT/AN BAL
Date Available thru: Site: ATS1*
09-Jul-91

Mean	0	0	1	262	99	26	2	5
MAX	0	0	2	403	122	69	3	6
MIN	0	0	0	19	72	7	1	2

		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	%
Station	Sampldate	Bicarb	CO3	Chloride	Sulfate	Ca	Mg	K	Na	cat/andiff
ATS1	01-Sep-86				19					
ATS1	28-Oct-88									
ATS1	11-May-89	0	0	0	403	122	69	3	2	4
ATS1	22-Jun-89									
ATS1	05-Oct-89	0	0	<.01	317	101	14	2	6	0
ATS1	13-Jun-90	0	0	2	229	72	7	1	4	1
ATS1	10-Jul-90	0	0	2	344	100	15	2	6	3
ATS1	07-Aug-90									
ATS1	11-Sep-90									
ATS1	23-Oct-90									
ATS1	14-May-91									
ATS1	13-Jun-91									

APPENDIX D

Laboratory Data Sheets for Waters Entering the American Tunnel Level of the Sunnyside Mine

ROOT & NORTON LABORATORIES
SILVERTON, COLORADO 81433

P.O. BOX 309
303-387-5492

CERTIFICATE OF WATER ANALYSIS

CLIENT: SJCMV - Sunnyside Mine — REPORT DATE: 3/8/91
SAMPLE ID: 0700 RA — LAB ID: AT1397
SAMPLE DATE: 3/5/91 TIME: 11:10
SAMPLED BY: EB DATE REC'D: 3/5 ANALYZED: 3/6

PARAMETERS	SAMPLE VALUE		% RSD		SPIKE RECOVERY		CONTROL RECOVERY	
TEMPERATURE		C.						
pH	7.76	s.u.						
T. SUSPENDED SLDS	117.1	mg/L						
T. DISSOLVED SLDS		mg/L						
CONDUCTIVITY .... (/cm @ 25 C)		umhos						
T. HARDNESS .... (as CaCO3-EDTA)		mg/L						
T. LEAD	8.46	mg/L	1.7	%		%	98	%
T. COPPER	0.51	mg/L	2.7	%		%	101	%
T. ZINC	9.16	mg/L	1.2	%		%	92	%
T. CADMIUM	0.052	mg/L	18.6	%		%	104	%
T. CHROMIUM		mg/L		%		%		%
T. MANGANESE.....	1.44	mg/L	1.6	%		%	103	%
T. IRON	5.40	mg/L	1.1	%		%	90	%
T. CYANIDE		mg/L		%		%		%
T. MERCURY		mg/L		%		%		%

Metals Digestion: Total Recoverable

Remarks:

CERTIFIED BY: _____ Charges $ 49.00

ROOT & NORTON LABORATORIES
SILVERTON, COLORADO 81433

P.O. BOX 309
303-387-5492

CERTIFICATE OF WATER ANALYSIS

CLIENT: SJCMV - Sunnyside Mine — REPORT DATE: 3/8/91
SAMPLE ID: 21950 P — LAB ID: AT1400
SAMPLE DATE: 3/5/91 TIME: 9:10 am
SAMPLED BY: EB DATE REC'D: 3/5 ANALYZED: 3/6

PARAMETERS	SAMPLE VALUE		% RSD		SPIKE RECOVERY		CONTROL RECOVERY	
TEMPERATURE		C.						
pH	2.35	s.u.						
T. SUSPENDED SLDS	65.6	mg/L						
T. DISSOLVED SLDS		mg/L						
CONDUCTIVITY .... (/cm @ 25 C)		umhos						
T. HARDNESS .... (as CaCO3-EDTA)		mg/L						
T. LEAD	2.58	mg/L	3.0	%		%	92	%
T. COPPER	25.1	mg/L	4.1	%		%	104	%
T. ZINC	566.9	mg/L	0.0	%		%	100	%
T. CADMIUM	1.50	mg/L	2.5	%		%	88	%
T. CHROMIUM		mg/L		%		%		%
T. MANGANESE.....	840.4	mg/L	0.1	%		%	96	%
T. IRON	203.0	mg/L	2.1	%		%	100	%
T. CYANIDE		mg/L		%		%		%
T. MERCURY		mg/L		%		%		%

Metals Digestion: Total Recoverable

Remarks:

CERTIFIED BY: _____ Charges $ 49.00

1779431

imL
Inter-Mountain
Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT:	Sunnyside Gold	DATE REPORTED:	03/27/91
ID:	0910		
SITE:	2195 OP	DATE RECEIVED:	03/07/91
LAB NO:	F5884	DATE COLLECTED:	03/05/91

Lab pH (s.u.)		2.86	
Lab conductivity, umhos/cm		63200	
Lab resistivity, ohm-m		0.158	
Total dissolved solids (180), mg/l		9130	
Total dissolved solids (calc), mg/l		7710	
Total suspended solids, mg/l		8	
Total alkalinity as CaCO3, mg/l		0	
Total acidity as CaCO3, mg/l		2730	
Total hardness as CaCO3, mg/l		5810	
Sodium absorption ratio		0.056	
Total ortho-phosphate, mg/l		1.23	
Fluoride, mg/l		2.47	
Total nitrate and nitrite, mg/l		47.9	
Ammonia, mg/l		18.56	
	mg/l	meq/l	
Bicarbonate as HCO3	0	0	
Carbonate as CO3	0	0	
Chloride	9.19	0.26	
Sulfate	5550	116	
Calcium	1860	92.8	
Magnesium	285	23.4	
Potassium	2.09	0.05	
Sodium	9.8	0.43	
Major cations		171	
Major anions		119	
Cation/anion difference		17.9	%

**Sample rerun, no significant changes.

Inter-Mountain Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Sunnyside Gold
ID: 0910
SITE: 2195 OP
LAB NO: F5884

DATE REPORTED: 03/28/91
DATE RECEIVED: 03/07/91
DATE COLLECTED: 03/05/91

Trace metals by AA (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Arsenic (As)	0.036	<0.0003
Cadmium (Cd)	2.065	<0.0002
Mercury (Hg)	ND	<0.001
Lead (Pb)	1.525	<0.004
Selenium (Se)	ND	<0.005

Trace metals by ICAP (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Silver (Ag)	ND	<0.01
Aluminum (Al)	101	<0.1
Gold (Au)	ND	<0.05
Boron (B)	ND	<0.01
Chromium (Cr)	ND	<0.02
Copper (Cu)	24.8	<0.01
Iron (Fe)	192	<0.05
Manganese (Mn)	946	<0.02
Strontium (Sr)	3.62	<0.05
Zinc (Zn)	701	<0.01

ND - Analyte "not detected" at the stated detection limit.

Mary Stepp
Lab Director

imL
Inter-Mountain
Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Sunnyside Gold
ID: 1110
SITE: 0700 RA
LAB NO: F5885

DATE REPORTED: 03/27/91
DATE RECEIVED: 03/07/91
DATE COLLECTED: 03/05/91

Trace metals by AA (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Arsenic (As)	ND	<0.005
Cadmium (Cd)	ND	<0.002
Mercury (Hg)	ND	<0.001
Lead (Pb)	0.019	<0.004
Selenium (Se)	ND	<0.005

Trace metals by ICAP (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Silver (Ag)	ND	<0.01
Aluminum (Al)	0.1	<0.1
Gold (Au)	ND	<0.05
Boron (B)	0.04	<0.01
Chromium (Cr)	ND	<0.02
Copper (Cu)	ND	<0.01
Iron (Fe)	0.31	<0.05
Manganese (Mn)	1.37	<0.02
Strontium (Sr)	6.41	<0.05
Zinc (Zn)	0.92	<0.01

ND - Analyte "not detected" at the stated detection limit.

Mary Stepp
Lab Director

ROOT & NORTON LABORATORIES
SILVERTON, COLORADO 81433

P.O. BOX 309
303-387-5492

CERTIFICATE OF WATER ANALYSIS

CLIENT: SJCMV - Sunnyside Mine
SAMPLE ID: SS Drift
SAMPLE DATE: 3/5/91 TIME: 10:30
SAMPLED BY: EB DATE REC'D: 3/5 ANALYZED: 3/6

REPORT DATE: 3/8/91
LAB ID: AT1396

PARAMETERS	SAMPLE VALUE		% RSD		SPIKE RECOVERY		CONTROL RECOVERY	
TEMPERATURE		C.						
pH	7.57	s.u.						
T. SUSPENDED SLDS	0.04	mg/L						
T. DISSOLVED SLDS		mg/L						
CONDUCTIVITY .... (/cm @ 25 C)		umhos						
T. HARDNESS .... (as CaCO3-EDTA)		mg/L						
T. LEAD	0.18	mg/L	3.8	%	106	%	108	%
T. COPPER	0.02	mg/L	30.1	%	97	%	101	%
T. ZINC	0.09	mg/L	17.1	%	92	%	100	%
T. CADMIUM	0.000	mg/L		%	112	%	104	%
T. CHROMIUM		mg/L		%		%		%
T. MANGANESE.....	1.83	mg/L	2.0	%	98	%	103	%
T. IRON	0.25	mg/L	10.0	%	100	%	110	%
T. CYANIDE		mg/L		%		%		%
T. MERCURY		mg/L		%		%		%

Metals Digestion: Total Recoverable

Remarks:

CERTIFIED BY: _____ Charges $ 49.00

Inter-Mountain Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Sunnyside Gold
ID: 1030
SITE: SS Drift
LAB NO: F5883

DATE REPORTED: 03/27/91
DATE RECEIVED: 03/07/91
DATE COLLECTED: 03/05/91

Lab pH (s.u.)		7.60	
Lab conductivity, umhos/cm		1340	
Lab resistivity, ohm-m		7.46	
Total dissolved solids (180), mg/l		1280	
Total dissolved solids (calc), mg/l		1140	
Total suspended solids, mg/l		1	
Total alkalinity as CaCO3, mg/l		82.1	
Total hardness as CaCO3, mg/l		833	
Sodium absorption ratio		0.194	
Total ortho-phosphate, mg/l		<0.02	
Fluoride, mg/l		2.39	
Total nitrate and nitrite, mg/l		0.17	
Ammonia, mg/l		<0.02	
	mg/l	meq/l	
Bicarbonate as HCO3	100	1.64	
Carbonate as CO3	0	0	
Chloride	3.06	0.09	
Sulfate	769	16	
Calcium	267	13.3	
Magnesium	40.4	3.32	
Potassium	1.13	0.03	
Sodium	12.9	0.56	
Major cations		17.2	
Major anions		17.8	
Cation/anion difference		1.45	%

imi
Inter-Mountain
Laboratories, Inc.

2606 West Main Stree
Farmington, New Mexico 8740
Tel. (505) 326-473

CLIENT: Sunnyside Gold
ID: 1030
SITE: SS Drift
LAB NO: F5883

DATE REPORTED: 03/27/91
DATE RECEIVED: 03/07/91
DATE COLLECTED: 03/05/91

Trace metals by AA (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Arsenic (As)	ND	<0.005
Cadmium (Cd)	0.003	<0.0002
Mercury (Hg)	ND	<0.001
Lead (Pb)	ND	<0.005
Selenium (Se)	ND	<0.005

Trace metals by ICAP (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Silver (Ag)	ND	<0.01
Aluminum (Al)	ND	<0.1
Gold (Au)	ND	<0.05
Boron (B)	0.06	<0.01
Chromium (Cr)	ND	<0.02
Copper (Cu)	ND	<0.01
Iron (Fe)	0.14	<0.05
Manganese (Mn)	2.10	<0.02
Strontium (Sr)	6.03	<0.05
Zinc (Zn)	0.09	<0.01

ND - Analyte "not detected" at the stated detection limit.

Mary Stepp
Mary Stepp
Lab Director

Inter-Mountain Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Sunnyside Gold
ID: 1250
SITE: SS Drift
LAB NO: F5910

DATE REPORTED: 04/11/91
DATE RECEIVED: 03/18/91
DATE COLLECTED: 03/13/91

Lab pH (s.u.)	7.18
Lab conductivity, umhos/cm	1430
Lab resistivity, ohm-m	7.02
Total dissolved solids (180), mg/l	1250
Total dissolved solids (calc), mg/l	1130
Total suspended solids, mg/l	1
Total alkalinity as CaCO3, mg/l	94
Total hardness as CaCO3, mg/l	843
Sodium absorption ratio	0.178
Total ortho-phosphate, mg/l	<0.02
Fluoride, mg/l	1.79
Total nitrate and nitrite, mg/l	0.12
Ammonia, mg/l	<0.02

	mg/l	meq/l
Bicarbonate as HCO3	98.2	1.61
Carbonate as CO3	0	0
Chloride	1.02	0.03
Sulfate	766	16
Calcium	252	12.6
Magnesium	52.1	4.29
Potassium	1.05	0.03
Sodium	11.9	0.52
Major cations		17.4
Major anions		17.6
Cation/anion difference		0.61 %

Inter-Mountain
Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Sunnyside Gold
ID: 1250
SITE: SS Drift
LAB NO: F5910

DATE REPORTED: 04/11/91
DATE RECEIVED: 03/18/91
DATE COLLECTED: 03/13/91

Trace metals by AA (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Arsenic (As)	ND	<0.005
Cadmium (Cd)	ND	<0.002
Mercury (Hg)	ND	<0.001
Lead (Pb)	ND	<0.005
Selenium (Se)	ND	<0.005

Trace metals by ICAP (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Silver (Ag)	ND	<0.01
Aluminum (Al)	ND	<0.1
Gold (Au)	ND	<0.05
Boron (B)	0.03	<0.01
Chromium (Cr)	ND	<0.02
Copper (Cu)	ND	<0.01
Iron (Fe)	ND	<0.05
Manganese (Mn)	1.87	<0.02
Strontium (Sr)	5.78	<0.05
Zinc (Zn)	0.06	<0.01

ND - Analyte "not detected" at the stated detection limit.

Mary Stepp
Lab Director

ROOT & NORTON LABORATORIES
SILVERTON, COLORADO 81433

P.O. BOX 309
303-387-5492

CERTIFICATE OF WATER ANALYSIS

CLIENT: SJCMV - Sunnyside Mine
SAMPLE ID: SS Drift
SAMPLE DATE: 3/13/91 TIME: 12:50
SAMPLED BY: EB

REPORT DATE: 3/18/91
LAB ID: AT1418
DATE REC'D: 3/13 ANALYZED: 3/14

PARAMETERS	SAMPLE VALUE		% RSD		SPIKE RECOVERY		CONTROL RECOVERY	
TEMPERATURE		C.						
pH	7.60	s.u.						
T. SUSPENDED SLDS	0.00	mg/L						
T. DISSOLVED SLDS		mg/L						
CONDUCTIVITY .... (/cm @ 25 C)		umhos						
T. HARDNESS .... (as CaCO3-EDTA)		mg/L						
T. LEAD	0.08	mg/L	12.0	%	91	%	106	%
T. COPPER	< 0.01	mg/L	na	%	96	%	93	%
T. ZINC	0.07	mg/L	3.4	%	90	%	94	%
T. CADMIUM	0.004	mg/L	40.0	%	78	%	92	%
T. CHROMIUM		mg/L		%		%		%
T. MANGANESE.....	1.94	mg/L	0.6	%	98	%	97	%
T. IRON	0.18	mg/L	3.9	%	87	%	90	%
T. CYANIDE		mg/L		%		%		%
T. MERCURY		mg/L		%		%		%

Metals Digestion: Total Recoverable

Remarks:

CERTIFIED BY: _____ Charges $ 49.00

ROOT & NORTON LABORATORIES
SILVERTON, COLORADO 81433

P.O. BOX 309
303-387-5492

CERTIFICATE OF WATER ANALYSIS

CLIENT: SJCMV - Sunnyside Mine — REPORT DATE: 3/8/91
SAMPLE ID: WASH HW — LAB ID: AT1[illegible]3
SAMPLE DATE: 3/5/91 TIME: 7:55 am
SAMPLED BY: EB DATE REC'D: 3/5 ANALYZED: 3/6

PARAMETERS	SAMPLE VALUE		% RSD		SPIKE RECOVERY		CONTROL RECOVERY	
TEMPERATURE		C.						
pH	7.18	s.u.						
T. SUSPENDED SLDS	1.22	mg/L						
T. DISSOLVED SLDS		mg/L						
CONDUCTIVITY .... (/cm @ 25 C)		umhos						
T. HARDNESS .... (as CaCO3-EDTA)		mg/L						
T. LEAD	0.19	mg/L	9.4	%		%	92	%
T. COPPER	0.03	mg/L	9.7	%		%	101	%
T. ZINC	0.59	mg/L	3.6	%		%	92	%
T. CADMIUM	0.005	mg/L	20.8	%		%	104	%
T. CHROMIUM		mg/L		%		%		%
T. MANGANESE.....	1.58	mg/L	2.2	%		%	103	%
T. IRON	0.17	mg/L	11.3	%		%	95	%
T. CYANIDE		mg/L		%		%		%
T. MERCURY		mg/L		%		%		%

Metals Digestion: Total Recoverable

Remarks:

CERTIFIED BY: _____ Charges $ 49.00

Inter-Mountain Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Sunnyside Gold
ID: 0755
SITE: Wash HW
LAB NO: F5881

DATE REPORTED: 03/28/91
DATE RECEIVED: 03/07/91
DATE COLLECTED: 03/05/91

Lab pH (s.u.)		7.54
Lab conductivity, umhos/cm		1860
Lab resistivity, ohm-m		5.37
Total dissolved solids (180), mg/l		1970
Total dissolved solids (calc), mg/l		1710
Total suspended solids, mg/l		<1.0
Total alkalinity as CaCO3, mg/l		65
Total hardness as CaCO3, mg/l		1270
Sodium absorption ratio		0.181
Total ortho-phosphate, mg/l		<0.02
Fluoride, mg/l		2.47
Total nitrate and nitrite, mg/l		<0.04
Ammonia, mg/l		<0.02
	mg/l	meq/l
Bicarbonate as HCO3	79.3	1.3
Carbonate as CO3	0	0
Chloride	4.08	0.12
Sulfate	1220	25.4
Calcium	310	15.5
Magnesium	121	9.91
Potassium	1.17	0.03
Sodium	14.8	0.64
Major cations		26
Major anions		26.9
Cation/anion difference		1.54 %

Inter-Mountain Laboratories, Inc.

2506 West Main Stree
Farmington, New Mexico 8740
Tel. (505) 326-473

CLIENT: Sunnyside Gold
ID: 0755
SITE: Wash HW
LAB NO: F5881

DATE REPORTED: 03/27/91
DATE RECEIVED: 03/07/91
DATE COLLECTED: 03/05/91

Trace metals by AA (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Arsenic (As)	ND	<0.005
Cadmium (Cd)	0.005	<0.0002
Mercury (Hg)	ND	<0.001
Lead (Pb)	ND	<0.005
Selenium (Se)	ND	<0.005

Trace metals by ICAP (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Silver (Ag)	ND	<0.01
Aluminum (Al)	ND	<0.1
Gold (Au)	ND	<0.05
Boron (B)	0.06	<0.01
Chromium (Cr)	ND	<0.02
Copper (Cu)	ND	<0.01
Iron (Fe)	0.07	<0.05
Manganese (Mn)	2.01	<0.02
Strontium (Sr)	7.54	<0.05
Zinc (Zn)	0.75	<0.01

ND - Analyte "not detected" at the stated detection limit.

Mary Stepp
Lab Director

Inter·Mountain Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Sunnyside Gold
ID: 1310
SITE: Wash HW
LAB NO: F5909

DATE REPORTED: 04/10/91
DATE RECEIVED: 03/18/91
DATE COLLECTED: 03/13/91

Lab pH (s.u.)	7.17
Lab conductivity, umhos/cm	1990
Lab resistivity, ohm-m	5.03
Total dissolved solids (180), mg/l	1920
Total dissolved solids (calc), mg/l	1650
Total suspended solids, mg/l	2
Total alkalinity as CaCO3, mg/l	59.8
Total hardness as CaCO3, mg/l	1250
Sodium absorption ratio	0.185
Total ortho-phosphate, mg/l	<0.02
Fluoride, mg/l	2.27
Total nitrate and nitrite, mg/l	<0.04
Ammonia, mg/l	<0.02

	mg/l	meq/l	
Bicarbonate as HCO3	73.2	1.2	
Carbonate as CO3	0	0	
Chloride	2.04	0.06	
Sulfate	1230	25.5	
Calcium	174	8.7	
Magnesium	198	16.3	
Potassium	1.11	0.03	
Sodium	15	0.65	
Major cations		25.7	
Major anions		26.8	
Cation/anion difference		2.17	%

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Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Sunnyside Gold
ID: 1310
SITE: Wash HW
LAB NO: F5909

DATE REPORTED: 04/10/91
DATE RECEIVED: 03/18/91
DATE COLLECTED: 03/13/91

Trace metals by AA (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Arsenic (As)	ND	<0.005
Cadmium (Cd)	ND	<0.002
Mercury (Hg)	ND	<0.001
Lead (Pb)	ND	<0.005
Selenium (Se)	ND	<0.005

Trace metals by ICAP (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Silver (Ag)	ND	<0.01
Aluminum (Al)	ND	<0.1
Gold (Au)	ND	<0.05
Boron (B)	0.05	<0.01
Chromium (Cr)	ND	<0.02
Copper (Cu)	ND	<0.01
Iron (Fe)	0.06	<0.05
Manganese (Mn)	2.21	<0.02
Strontium (Sr)	7.29	<0.05
Zinc (Zn)	0.98	<0.01

ND - Analyte "not detected" at the stated detection limit.

Mary Stepp
Lab Director

ROOT & NORTON LABORATORIES
SILVERTON, COLORADO 81433

P.O. BOX 309
303-387-5492

CERTIFICATE OF WATER ANALYSIS

CLIENT: SJCMV - Sunnyside Mine
SAMPLE ID: WASH HW
SAMPLE DATE: 3/13/91 TIME: 1:10
SAMPLED BY: EB

REPORT DATE: 3/18/91
LAB ID: AT1417
DATE REC'D: 3/13 ANALYZED: 3/14

PARAMETERS	SAMPLE VALUE		% RSD		SPIKE RECOVERY		CONTROL RECOVERY	
TEMPERATURE		C.						
pH	7.53	s.u.						
T. SUSPENDED SLDS	0.22	mg/L						
T. DISSOLVED SLDS		mg/L						
CONDUCTIVITY .... (/cm @ 25 C)		umhos						
T. HARDNESS .... (as CaCO3-EDTA)		mg/L						
T. LEAD	0.15	mg/L	20.0	%	98	%	106	%
T. COPPER	0.02	mg/L	50.0	%	85	%	93	%
T. ZINC	0.95	mg/L	1.0	%	100	%	106	%
T. CADMIUM	0.002	mg/L	24.0	%	98	%	92	%
T. CHROMIUM		mg/L		%		%		%
T. MANGANESE.....	2.18	mg/L	0.5	%	105	%	97	%
T. IRON	0.22	mg/L	2.3	%	89	%	90	%
T. CYANIDE		mg/L		%		%		%
T. MERCURY		mg/L		%		%		%

Metals Digestion: Total Recoverable

Remarks:

CERTIFIED BY: Robert Norton Charges $ 49.00

iml
Inter-Mountain Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT:	Sunnyside Gold	DATE REPORTED:	03/27/91
ID:	0945		
SITE:	West Drift	DATE RECEIVED:	03/07/91
LAB NO:	F5880	DATE COLLECTED:	03/05/91

Lab pH (s.u.)	6.71
Lab conductivity, umhos/cm	1740
Lab resistivity, ohm-m	5.73
Total dissolved solids (180), mg/l	1820
Total dissolved solids (calc), mg/l	1670
Total suspended solids, mg/l	56
Total alkalinity as CaCO3, mg/l	51.3
Total hardness as CaCO3, mg/l	1240
Sodium absorption ratio	0.073
Total ortho-phosphate, mg/l	0.02
Fluoride, mg/l	7.08
Total nitrate and nitrite, mg/l	<0.04
Ammonia, mg/l	0.06

	mg/l	meq/l
Bicarbonate as HCO3	62.8	1.03
Carbonate as CO3	0	0
Chloride	4.08	0.12
Sulfate	1150	24
Calcium	434	21.6
Magnesium	38.2	3.15
Potassium	0.81	0.02
Sodium	5.9	0.26
Major cations		25.1
Major anions		25.1
Cation/anion difference		0.14 %

Inter-Mountain Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Sunnyside Gold
ID: 0945
SITE: West Drift
LAB NO: F5880

DATE REPORTED: 03/28/91
DATE RECEIVED: 03/07/91
DATE COLLECTED: 03/05/91

Trace metals by AA (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Arsenic (As)	ND	<0.005
Cadmium (Cd)	0.082	<0.0002
Mercury (Hg)	ND	<0.001
Lead (Pb)	ND	<0.005
Selenium (Se)	ND	<0.005

Trace metals by ICAP (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Silver (Ag)	ND	<0.01
Aluminum (Al)	0.5	<0.1
Gold (Au)	ND	<0.05
Boron (B)	ND	<0.05
Chromium (Cr)	ND	<0.02
Copper (Cu)	ND	<0.01
Iron (Fe)	5.47	<0.05
Manganese (Mn)	17.7	<0.02
Strontium (Sr)	4.68	<0.05
Zinc (Zn)	17.9	<0.01

ND - Analyte "not detected" at the stated detection limit.

Mary Stepp
Mary Stepp
Lab Director

ROOT & NORTON LABORATORIES
SILVERTON, COLORADO 81433

P.O. BOX 309
303-387-5492

CERTIFICATE OF WATER ANALYSIS

CLIENT: SJCMV - Sunnyside Mine
SAMPLE ID: West Drift
SAMPLE DATE: 3/5/91 TIME: 9:45 am
SAMPLED BY: EB

REPORT DATE: 3/8/91
LAB ID: AT1398
DATE REC'D: 3/5 ANALYZED: 3/6

PARAMETERS	SAMPLE VALUE		% RSD		SPIKE RECOVERY		CONTROL RECOVERY	
TEMPERATURE		C.						
pH	6.73	s.u.						
T. SUSPENDED SLDS	70.7	mg/L						
T. DISSOLVED SLDS		mg/L						
CONDUCTIVITY .... (/cm @ 25 C)		umhos						
T. HARDNESS .... (as CaCO3-EDTA)		mg/L						
T. LEAD	0.24	mg/L	12.6	%		%	91	%
T. COPPER	0.205	mg/L	3.1	%		%	104	%
T. ZINC	16.70	mg/L	4.5	%		%	100	%
T. CADMIUM	0.106	mg/L	1.1	%		%	79	%
T. CHROMIUM		mg/L		%		%		%
T. MANGANESE.....	18.65	mg/L	0.9	%		%	103	%
T. IRON	15.5	mg/L	1.6	%		%	92	%
T. CYANIDE		mg/L		%		%		%
T. MERCURY		mg/L		%		%		%

Metals Digestion: Total Recoverable

Remarks:

CERTIFIED BY: _____ Charges $ 49.00

ROOT & NORTON LABORATORIES
SILVERTON, COLORADO 81433

P.O. BOX 309
303-387-5492

CERTIFICATE OF WATER ANALYSIS

CLIENT: SJCMV - Sunnyside Mine
SAMPLE ID: Wash FW
SAMPLE DATE: 3/5/91 TIME: 8:50 am
SAMPLED BY: EB DATE REC'D: 3/5 ANALYZED: 3/6

REPORT DATE: 3/8/91
LAB ID: AT1399

PARAMETERS	SAMPLE VALUE		% RSD		SPIKE RECOVERY		CONTROL RECOVERY	
TEMPERATURE		C.						
pH	7.68	s.u.						
T. SUSPENDED SLDS	5.62	mg/L						
T. DISSOLVED SLDS		mg/L						
CONDUCTIVITY .... (/cm @ 25 C)		umhos						
T. HARDNESS .... (as CaCO3-EDTA)		mg/L						
T. LEAD	0.21	mg/L	10.1	%		%	91	%
T. COPPER	0.13	mg/L	5.4	%		%	101	%
T. ZINC	33.43	mg/L	3.1	%		%	100	%
T. CADMIUM	0.090	mg/L	4.9	%		%	79	%
T. CHROMIUM		mg/L		%		%		%
T. MANGANESE.....	64.29	mg/L	1.1	%		%	92	%
T. IRON	0.38	mg/L	6.2	%		%	102	%
T. CYANIDE		mg/L		%		%		%
T. MERCURY		mg/L		%		%		%

Metals Digestion: Total Recoverable

Remarks:

CERTIFIED BY: _____ Charges $ 49.00

Inter-Mountain Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Sunnyside Gold
ID: 0850
SITE: Wash FW
LAB NO: F5882

DATE REPORTED: 03/28/91
DATE RECEIVED: 03/07/91
DATE COLLECTED: 03/05/91

Lab pH (s.u.)	7.24
Lab conductivity, umhos/cm	1850
Lab resistivity, ohm-m	5.4
Total dissolved solids (180), mg/l	1840
Total dissolved solids (calc), mg/l	1700
Total suspended solids, mg/l	1
Total alkalinity as CaCO3, mg/l	133
Total hardness as CaCO3, mg/l	1270
Sodium absorption ratio	0.076
Total ortho-phosphate, mg/l	<0.02
Fluoride, mg/l	4.19
Total nitrate and nitrite, mg/l	0.04
Ammonia, mg/l	0.06

	mg/l	meq/l	
Bicarbonate as HCO3	163	2.67	
Carbonate as CO3	0	0	
Chloride	4.08	0.12	
Sulfate	1130	23.5	
Calcium	430	21.5	
Magnesium	47.7	3.92	
Potassium	1.44	0.04	
Sodium	6.2	0.27	
Major cations		25.7	
Major anions		26.3	
Cation/anion difference		1.25	%

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Inter-Mountain
Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Sunnyside Gold
ID: 0850
SITE: Wash FW
LAB NO: F5862

DATE REPORTED: 03/28/91
DATE RECEIVED: 03/07/91
DATE COLLECTED: 03/05/91

Trace metals by AA (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Arsenic (As)	ND	<0.005
Cadmium (Cd)	0.073	<0.0002
Mercury (Hg)	ND	<0.001
Lead (Pb)	ND	<0.005
Selenium (Se)	ND	<0.005

Trace metals by ICAP (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Silver (Ag)	ND	<0.01
Aluminum (Al)	0.2	<0.1
Gold (Au)	ND	<0.05
Boron (B)	0.06	<0.01
Chromium (Cr)	ND	<0.02
Copper (Cu)	ND	<0.01
Iron (Fe)	ND	<0.05
Manganese (Mn)	61.9	<0.02
Strontium (Sr)	3.99	<0.05
Zinc (Zn)	34.3	<0.01

ND - Analyte "not detected" at the stated detection limit.

Mary Stepp
Lab Director

Client : Sunnyside Mine
Address : #1 Gladstone
Silverton, CO 81433
Attn. : Mr. E. Bingham
Project :
Sample Matrix:
Sample ID: Ross Basin Seep Lab No. : 91 WI/09316
Sample Date Time: 10/17/91 15:00 Date Received: 10/21/91

Parameters		
Cadmium, dissolved	-.005	mg/l
Copper, dissolved	-.01	mg/l
Iron, dissolved	.15	mg/l
Lead, dissolved	.04	mg/l
Manganese, dissolved	.44	mg/l
Zinc, dissolved	.44	mg/l

Remarks:
Note: Negative sign " " denotes that the value is less than "<"

Frank E. Polniak, Inorganic Lab Supervisor

Ralph V. Poulsen for FP

ROOT & NORTON LABORATORIES
SILVERTON, COLORADO 81433

P.O. BOX 309
303-387-5492

CERTIFICATE OF WATER ANALYSIS

CLIENT: SJCMV - Sunnyside Mine
SAMPLE ID: Fault #1
SAMPLE DATE: 3/5/91 TIME: 11:35 am
SAMPLED BY: EB

REPORT DATE: 3/8/91
LAB ID: AT1401
DATE REC'D: 3/5 ANALYZED: 3/6

PARAMETERS	SAMPLE VALUE		% RSD		SPIKE RECOVERY		CONTROL RECOVERY	
TEMPERATURE		C.						
pH	5.90	s.u.						
T. SUSPENDED SLDS	4.78	mg/L						
T. DISSOLVED SLDS		mg/L						
CONDUCTIVITY .... (/cm @ 25 C)		umhos						
T. HARDNESS .... (as CaCO3-EDTA)		mg/L						
T. LEAD	0.21	mg/L	7.6	%	107	%	92	%
T. COPPER	0.34	mg/L	3.7	%	92	%	104	%
T. ZINC	47.08	mg/L	1.0	%		%	100	%
T. CADMIUM	0.064	mg/L	12.6	%		%	104	%
T. CHROMIUM		mg/L		%		%		%
T. MANGANESE.....	91.4	mg/L		%		%		%
T. IRON	344.0	mg/L	1.1	%		%	100	%
T. CYANIDE		mg/L		%		%		%
T. MERCURY		mg/L		%		%		%

Metals Digestion: Total Recoverable

Remarks:

CERTIFIED BY: _____ Charges $ 49.00

ROOT & NORTON LABORATORIES
SILVERTON, COLORADO 81433

P.O. BOX 309
303-387-5492

CERTIFICATE OF WATER ANALYSIS

CLIENT: SJCMV - Sunnyside Mine
SAMPLE ID: Fault #2
SAMPLE DATE: 3/5/91 TIME: 11:50 am
SAMPLED BY: EB DATE REC'D: 3/5 ANALYZED: 3/6

REPORT DATE: 3/8/91
LAB ID: AT1402

PARAMETERS	SAMPLE VALUE		% RSD		SPIKE RECOVERY		CONTROL RECOVERY	
TEMPERATURE		C.						
pH	6.05	s.u.						
T. SUSPENDED SLDS	4.88	mg/L						
T. DISSOLVED SLDS		mg/L						
CONDUCTIVITY .... (/cm @ 25 C)		umhos						
T. HARDNESS .... (as CaCO3-EDTA)		mg/L						
T. LEAD	0.59	mg/L	6.4	%		%	94	%
T. COPPER	0.03	mg/L	10.5	%		%	101	%
T. ZINC	70.1	mg/L	1.2	%		%	100	%
T. CADMIUM	0.106	mg/L	9.1	%		%	104	%
T. CHROMIUM		mg/L		%		%		%
T. MANGANESE.....	132.6	mg/L	0.0	%		%		%
T. IRON	531.0	mg/L	0.9	%		%	103	%
T. CYANIDE		mg/L		%		%		%
T. MERCURY		mg/L		%		%		%

Metals Digestion: Total Recoverable

Remarks:

CERTIFIED BY: _____ Charges $ 49.00

imL
Inter-Mountain
Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Sunnyside Gold
ID: 1150
SITE: Fault #2
LAB NO: F5879

DATE REPORTED: 03/28/91
DATE RECEIVED: 03/07/91
DATE COLLECTED: 03/05/91

Trace metals by AA (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Arsenic (As)	ND	<0.005
Cadmium (Cd)	0.089	<0.0002
Mercury (Hg)	ND	<0.001
Lead (Pb)	0.425	<0.004
Selenium (Se)	ND	<0.005

Trace metals by ICAP (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Silver (Ag)	ND	<0.01
Aluminum (Al)	22.3	<0.1
Gold (Au)	ND	<0.05
Boron (B)	ND	<0.01
Chromium (Cr)	ND	<0.02
Copper (Cu)	ND	<0.01
Iron (Fe)	537.	<0.05
Manganese (Mn)	151.	<0.02
Strontium (Sr)	5.89	<0.05
Zinc (Zn)	92.1	<0.01

ND - Analyte "not detected" at the stated detection limit.

Mary Stepp
Mary Stepp
Lab Director

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunnyside Gold Corp.
Site: ATINFL -ATO
IML #: F7491

Date of report: 10/28/91
Date received: 10/07/91
Date sampled: 10/02/91
Time sampled: 1035

	Result:	Date analyzed
Lab pH	5.56	10/14/91
Total dissolved solids (180), mg/L	1914	10/15/91
Total suspended solids, mg/L	83	10/09/91
Total cadmium, mg/L	0.22	
Total copper, mg/L	0.22	
Total lead, mg/L	<0.005	
Total mercury, mg/L	<0.0002	
Total zinc, mg/L	13.2	
Total iron, mg/L	35.0	
Total manganese, mg/L	20.2	

* TSS reanalyzed on the same day 76 mg/L.

Mary Stepp
Lab Director

Wanda Orso
Water Lab Supervisor

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunnyside Gold Corp.
Site: AT 2400
IML #: F7490

Date of report: 10/28/91
Date received: 10/07/91
Date sampled: 10/02/91
Time sampled: 1145

	Result:	Date analyzed
Lab pH	5.56	10/14/91
Total dissolved solids (180), mg/L	1960	10/15/91
Total suspended solids, mg/L	87	10/09/91
Total cadmium, mg/L	0.06	
Total copper, mg/L	0.22	
Total lead, mg/L	<0.005	
Total mercury, mg/L	<0.0002	
Total zinc, mg/L	14.4	
Total iron, mg/L	39.8	
Total manganese, mg/L	22.2	

* TSS reanalyzed on the same day 91 mg/L.

Mary Stepp
Lab Director

Wanda Orso
Water Lab Supervisor

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunnyside Gold Corp.
Site: AT 2700
IML #: F7489

Date of report: 10/28/91
Date received: 10/07/91
Date sampled: 10/02/91
Time sampled: 1220

	Result:	Date analyzed
Lab pH	5.68	10/14/91
Total dissolved solids (180), mg/L	1932	10/15/91
Total suspended solids, mg/L	92	10/09/91
Total cadmium, mg/L	0.066	
Total copper, mg/L	0.24	
Total lead, mg/L	<0.005	
Total mercury, mg/L	<0.0002	
Total zinc, mg/L	14.4	
Total iron, mg/L	39.8	
Total manganese, mg/L	22.2	

* TSS reanalyzed on the same day 90 mg/L.

Mary Stepp
Lab Director

Wanda Orso
Water Lab Supervisor

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunnyside Gold Corp.
Site: AT 3450
IML #: F7488

Date of report: 10/28/91
Date received: 10/07/91
Date sampled: 10/02/91
Time sampled: 1425

	Result:	Date analyzed
Lab pH	7.17	10/14/91
Total dissolved solids (180), mg/L	1790	10/15/91
Total suspended solids, mg/L	34	10/09/91
Total cadmium, mg/L	0.70	
Total copper, mg/L	0.30	
Total lead, mg/L	<0.005	
Total mercury, mg/L	<0.0002	
Total zinc, mg/L	12.2	
Total iron, mg/L	10.7	
Total manganese, mg/L	17.1	

* TSS reanalyzed on the same day 30 mg/L.

Mary Stepp
Lab Director

Wanda Orso
Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunnyside Gold Corp.
Site: AT 6400
IML #: F7486

Date of report: 10/28/91
Date received: 10/07/91
Date sampled: 10/02/91
Time sampled: 1515

	Result:	Date analyzed
Lab pH	7.23	10/14/91
Total dissolved solids (180), mg/L	1780	10/15/91
Total suspended solids, mg/L	31	10/09/91
Total cadmium, mg/L	0.074	
Total copper, mg/L	0.32	
Total lead, mg/L	<0.005	
Total mercury, mg/L	<0.0002	
Total zinc, mg/L	11.6	
Total iron, mg/L	5.12	
Total manganese, mg/L	16.0	

* TSS reanalyzed on the same day 31 mg/L.

Mary Stepp
Lab Director

Wanda Orso
Water Lab Supervisor

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunnyside Gold Corp.
Site: AT 7350
IML #: F7487

Date of report: 10/28/91
Date received: 10/07/91
Date sampled: 10/02/91
Time sampled: 1600

	Result:	Date analyzed
Lab pH	7.15	10/14/91
Total dissolved solids (180), mg/L	1724	10/15/91
Total suspended solids, mg/L	20	10/09/91
Total cadmium, mg/L	0.088	
Total copper, mg/L	0.42	
Total lead, mg/L	<0.005	
Total mercury, mg/L	<0.0002	
Total zinc, mg/L	16.4	
Total iron, mg/L	7.06	
Total manganese, mg/L	21.8	

* TSS reanalyzed on the same day 20 mg/L.

Mary Stepp
Lab Director

Wanda Orso
Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunnyside Gold Corp.
Site: TT002
IML #: F7492

Date of report: 10/28/91
Date received: 10/07/91
Date sampled: 10/03/91
Time sampled: 0915

	Result:	Date analyzed
Lab pH	6.42	10/14/91
Total dissolved solids (180), mg/L	994	10/15/91
Total suspended solids, mg/L	20	10/09/91
Total cadmium, mg/L	0.0073	
Total copper, mg/L	0.05	
Total lead, mg/L	0.006	
Total mercury, mg/L	<0.0002	
Total zinc, mg/L	0.53	
Total iron, mg/L	0.31	
Total manganese, mg/L	18.82	
Total silver, mg/L	<0.01	
Dissolved cadmium, mg/L	0.0049	
Dissolved copper, mg/L	0.03	
Dissolved lead, mg/L	<0.005	
Dissolved mercury, mg/L	<0.0002	
Dissolved zinc, mg/L	0.42	
Dissolved iron, mg/L	0.28	
Dissolved manganese, mg/L	6.14	
Dissolved silver, mg/L	<0.01	

* TSS reanalyzed on the same day 19 mg/L.

Mary Stepp
Lab Director

Wanda Orso
Water Lab Supervisor

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunnyside Gold Corp.
Site: AT815ODH
IML #: F7485

Date of report: 10/28/91
Date received: 10/07/91
Date sampled: 10/03/91
Time sampled: 1145

	Result:	Date analyzed
Lab pH	6.96	10/14/91
Total dissolved solids (180), mg/L	1716	10/15/91
Total suspended solids, mg/L	34	10/09/91
Total cadmium, mg/L	0.102	
Total copper, mg/L	0.52	
Total lead, mg/L	<0.005	
Total mercury, mg/L	<0.0002	
Total zinc, mg/L	18.6	
Total iron, mg/L	8.62	
Total manganese, mg/L	26.0	

* TSS reanalyzed on the same day 34 mg/L.

Mary Stepp
Lab Director

Wanda Orso
Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunnyside Gold Corp.
Site: AT HW 5
IML #: F7484

Date of report: 10/28/91
Date received: 10/07/91
Date sampled: 10/03/91
Time sampled: 1335

	Result:	Date analyzed
Lab pH	7.58	10/14/91
Total dissolved solids (180), mg/L	1918	10/15/91
Total suspended solids, mg/L	3	10/09/91
Total cadmium, mg/L	0.0023	
Total copper, mg/L	0.01	
Total lead, mg/L	<0.005	
Total mercury, mg/L	<0.0002	
Total zinc, mg/L	1.30	
Total iron, mg/L	0.36	
Toital manganese, mg/L	2.96	

* TSS reanalyzed on the same day 4 mg/L.

Mary Stepp
Lab Director

Wanda Orso
Water Lab Supervisor

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunnyside Gold Corp.
Site: AT West 4
IML #: F7481

Date of report: 10/28/91
Date received: 10/07/91
Date sampled: 10/03/91
Time sampled: 1515

	Result:	Date analyzed
Lab pH	6.64	10/14/91
Total dissolved solids (180), mg/L	1762	10/15/91
Total suspended solids, mg/L	76	10/09/91
Total cadmium, mg/L	0.126	
Total copper, mg/L	0.14	
Total lead, mg/L	<0.005	
Total mercury, mg/L	<0.0002	
Total zinc, mg/L	18.6	
Total iron, mg/L	18.6	
Total manganese, mg/L	19.1	

* TSS reanalyzed on the same day 64 mg/L.

Mary Stepp
Lab Director

Wanda Orso
Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunnyside Gold Corp.
Site: AT FW 4
IML #: F7482

Date of report: 10/28/91
Date received: 10/07/91
Date sampled: 10/03/91
Time sampled: 1430

	Result:	Date analyzed
Lab pH	2.94	10/14/91
Total dissolved solids (180), mg/L	4680	10/15/91
Total suspended solids, mg/L	144	10/09/91
Total cadmium, mg/L	1.42	
Total copper, mg/L	12.80	
Total lead, mg/L	<0.005	
Total mercury, mg/L	<0.0002	
Total zinc, mg/L	347.8	
Total iron, mg/L	69.6	
Total manganese, mg/L	433.6	

* TSS reanalyzed on the same day 144 mg/L.

Mary Stepp
Lab Director

Wanda Orso
Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunnyside Gold Corp.
Site: AT SS 3
IML #: F7483

Date of report: 10/28/91
Date received: 10/07/91
Date sampled: 10/03/91
Time sampled: 1230

	Result:	Date analyzed
Lab pH	7.35	10/14/91
Total dissolved solids (180), mg/L	1288	10/15/91
Total suspended solids, mg/L	7	10/09/91
Total cadmium, mg/L	0.0071	
Total copper, mg/L	0.02	
Total lead, mg/L	<0.005	
Total mercury, mg/L	0.0005	
Total zinc, mg/L	1.64	
Total iron, mg/L	0.41	
Total manganese, mg/L	5.24	

* TSS reanalyzed on the same day 8 mg/L.

Mary Stepp
Lab Director

Wanda Orso
Water Lab Supervisor